Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{17}Ne	(pγ)^{18}Na	7.2890e+00	0.5	0.0	n.c.	0.01	3.9e−05	0
	4.0718e+01	−1.8625e+00	4.7781e+01	−8.4352e+01	3.8519e+00	−1.4918e−01	4.1866e+01	6.5031e+01
^{17}Ne	(pα)^{14}F	4.8640e+00	0.5	0.0	n.c.	0.01	1.1e−03	0
	7.7309e+01	−2.0932e+00	7.6645e+01	−1.4775e+02	8.0710e+00	−4.3562e−01	7.0667e+01	7.6908e+01
^{18}Ne	(pn)^{18}Na	3.0810e+00	0.0	0.0	n.c.	0.01	1.4e−03	0
	6.9255e+01	−2.0902e+00	7.2089e+01	−1.3521e+02	7.5211e+00	−4.1531e−01	6.5577e+01	6.9255e+01
^{19}Ne	(pγ)^{20}Na	2.1950e+00	0.5	2.0	n.c.	0.01	1.4e−03	0
	6.0668e+01	−1.9088e+00	5.0383e+01	−1.1106e+02	7.2020e+00	−4.2013e−01	4.7639e+01	8.3380e+01
^{20}Ne	(pγ)^{21}Na	2.4310e+00	0.0	1.5	n.c.	0.01	1.5e−03	
	3.5490e+01	−1.8067e+00	3.5447e+01	−6.7570e+01	4.0006e+00	−2.3357e−01	3.1898e+01	5.7736e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.95	0.92 0.91
^{21}Ne	(pγ)^{22}Na	6.7400e+00	1.5	3.0	n.c.	0.01	1.3e−03	
	5.6030e+01	−1.9493e+00	4.9269e+01	−1.0353e+02	6.3763e+00	−3.6933e−01	4.5998e+01	7.9107e+01
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.99 0.99	0.91 0.86	0.85 0.85	0.84 0.82
^{22}Ne	(pγ)^{23}Na	8.7940e+00	0.0	1.5	n.c.	0.01	4.7e−03	
	7.8690e+01	−2.1783e+00	7.1907e+01	−1.4832e+02	9.1194e+00	−5.4846e−01	6.7107e+01	1.0094e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.96 0.88	0.80 0.71
^{19}Na	(pγ)^{20}Mg	2.6470e+00	1.5	0.0	n.c.	0.01	2.1e−03	0
	5.3284e+01	−2.2669e+00	7.7191e+01	−1.4049e+02	7.9226e+00	−4.4664e−01	6.9467e+01	7.8299e+01
^{19}Na	(pn)^{19}Mg	1.0646e+01	1.5	0.0	n.c.	0.01	2.0e−03	0
	7.0518e+01	−2.2739e+00	7.7845e+01	−1.4352e+02	7.9418e+00	−4.4187e−01	7.0230e+01	7.1905e+01
^{20}Na	(pγ)^{21}Mg	3.2220e+00	2.0	1.5	3.4200	0.01	2.8e−03	0
	6.0342e+01	−1.9889e+00	4.8665e+01	−1.0832e+02	6.8210e+00	−3.9717e−01	4.7120e+01	8.4198e+01
^{21}Na	(pγ)^{22}Mg	5.5020e+00	1.5	0.0	5.3550	0.01	3.0e−03	0
	7.5233e+01	−2.1646e+00	6.3991e+01	−1.3931e+02	8.6203e+00	−4.9426e−01	6.1093e+01	1.0026e+02
^{22}Na	(pγ)^{23}Mg	7.5800e+00	3.0	1.5	0.4900	0.01	5.3e−03	
	8.2022e+01	−2.3087e+00	7.5564e+01	−1.5676e+02	9.3040e+00	−5.3289e−01	7.0776e+01	1.0622e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.94	0.88 0.75	0.65 0.59
^{23}Na	(pγ)^{24}Mg	1.1693e+01	1.5	0.0	0.3300	0.01	3.2e−03	
	5.7178e+01	−2.1587e+00	5.5534e+01	−1.1168e+02	6.6013e+00	−3.7850e−01	5.1205e+01	8.2206e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.94 0.89	0.86 0.82	0.78 0.73
^{23}Na	(pα)^{20}Ne	2.3770e+00	1.5	0.0	0.3300	0.01	2.5e−03	1
	7.7615e+01	−2.5339e+00	9.1002e+01	−1.6612e+02	9.5573e+00	−5.4553e−01	8.0632e+01	7.7824e+01
^{24}Na	(pγ)^{25}Mg	1.2064e+01	4.0	2.5	0.0450	0.01	2.9e−03	
	6.3710e+01	−2.5462e+00	8.8453e+01	−1.5607e+02	8.7711e+00	−5.0089e−01	7.7257e+01	8.7760e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.04	1.08 1.14	1.18 1.20
^{24}Na	(pn)^{24}Mg	4.7330e+00	4.0	0.0	0.0450	0.01	2.8e−03	
	6.4941e+01	−2.5189e+00	8.5137e+01	−1.4504e+02	7.7092e+00	−4.2773e−01	7.3592e+01	6.7138e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.98 0.95	0.92 0.90
^{24}Na	(pα)^{21}Ne	2.1780e+00	4.0	1.5	0.0450	0.01	3.5e−03	
	4.7365e+01	−2.4679e+00	7.9885e+01	−1.2483e+02	6.1655e+00	−3.3974e−01	6.7783e+01	4.6990e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.12 1.21	1.26 1.26	1.23 1.20
^{22}Mg	(pγ)^{23}Al	1.2500e−01	0.0	2.5	3.6050	0.01	6.5e−03	0
	6.8320e+01	−2.5927e+00	8.4930e+01	−1.6030e+02	1.0237e+01	−6.2479e−01	7.3930e+01	9.0168e+01
^{23}Mg	(pγ)^{24}Al	1.8710e+00	1.5	4.0	0.5350	0.01	3.3e−03	0
	5.9288e+01	−2.2420e+00	5.4295e+01	−1.1449e+02	7.2303e+00	−4.1795e−01	5.0744e+01	8.2119e+01
^{24}Mg	(pγ)^{25}Al	2.2710e+00	0.0	2.5	0.4700	0.01	4.7e−03	
	4.8101e+01	−2.2315e+00	4.9352e+01	−9.6273e+01	5.7480e+00	−3.3490e−01	4.4867e+01	6.9954e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.96 0.89	0.85 0.84
^{25}Mg	(pγ)^{26}Al	6.3070e+00	2.5	5.0	0.0400	0.01	5.1e−03	
	6.9206e+01	−2.4021e+00	6.5290e+01	−1.3497e+02	8.3170e+00	−4.9000e−01	6.0442e+01	9.2247e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.96	0.92 0.82	0.74 0.68
^{26}Mg	(pγ)^{27}Al	8.2710e+00	0.0	2.5	0.0400	0.01	7.4e−03	
	1.0803e+02	−2.8252e+00	1.0580e+02	−2.1613e+02	1.3624e+01	−8.3090e−01	9.7135e+01	1.2989e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.94	0.83 0.69
^{22}Al	(pγ)^{23}Si	1.7240e+00	3.0	2.5	6.2750	0.01	3.1e−03	0
	5.8802e+01	−2.7522e+00	9.6971e+01	−1.7525e+02	1.0236e+01	−5.8585e−01	8.6041e+01	8.2595e+01
^{23}Al	(pγ)^{24}Si	3.3020e+00	2.5	0.0	7.2250	0.01	1.2e−02	0
	1.1073e+02	−3.1406e+00	1.2858e+02	−2.4915e+02	1.5071e+01	−8.7190e−01	1.1379e+02	1.3617e+02
^{24}Al	(pγ)^{25}Si	3.4090e+00	4.0	2.5	2.3350	0.01	4.6e−03	0
	7.7122e+01	−2.5989e+00	7.7427e+01	−1.5724e+02	9.5239e+00	−5.4791e−01	7.1074e+01	1.0117e+02

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{25}Al	$(p\gamma)^{26}$Si	5.5180e+00	2.5	0.0	3.5250	0.01	7.6e−03	0
	9.0402e+01	−2.6891e+00	8.5724e+01	−1.7920e+02	1.1085e+01	−6.4880e−01	7.9801e+01	1.1584e+02
^{26}Al	$(p\gamma)^{27}$Si	7.4640e+00	5.0	2.5	0.2350	0.01	8.8e−03	
	9.3122e+01	−2.7891e+00	9.2228e+01	−1.8795e+02	1.1632e+01	−6.9272e−01	8.4810e+01	1.1738e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.01 1.02	1.12 1.25	1.34 1.44	1.44 1.38
^{27}Al	$(p\gamma)^{28}$Si	1.1585e+01	2.5	0.0	0.1950	0.01	6.8e−03	
	7.7724e+01	−2.7153e+00	8.0455e+01	−1.5967e+02	9.5877e+00	−5.6026e−01	7.2965e+01	1.0317e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.98	0.95 0.87	0.80 0.73
^{27}Al	$(p\alpha)^{24}$Mg	1.6010e+00	2.5	0.0	0.1950	0.01	9.8e−03	
	7.9596e+01	−2.7886e+00	8.7843e+01	−1.6883e+02	1.1182e+01	−7.1683e−01	7.8990e+01	8.0178e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.07	1.14 1.27	1.36 1.41
^{28}Al	$(p\gamma)^{29}$Si	1.2334e+01	3.0	0.5	0.0300	0.01	4.6e−03	
	8.2787e+01	−3.1339e+00	1.1490e+02	−2.0340e+02	1.1579e+01	−6.7278e−01	9.9418e+01	1.0769e+02
	0.99 0.93	0.89 0.86	0.85 0.83	0.83 0.83	0.83 0.84	0.92 0.98	1.00 1.00	0.97 0.91
^{28}Al	$(pn)^{28}$Si	3.8600e+00	3.0	0.0	0.0300	0.01	3.9e−03	
	7.2789e+01	−3.0490e+00	1.0526e+02	−1.7493e+02	9.0855e+00	−4.9507e−01	8.9343e+01	7.4735e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.96	0.91 0.87
^{28}Al	$(p\alpha)^{25}$Mg	1.2070e+00	3.0	2.5	0.0300	0.01	3.3e−03	
	5.5394e+01	−3.1563e+00	1.1740e+02	−1.7668e+02	7.9208e+00	−3.9458e−01	9.8499e+01	5.4332e+01
	1.00 1.00	1.01 1.01	1.01 1.02	1.02 1.03	1.04 1.05	1.10 1.18	1.26 1.44	1.58 1.66
^{26}Si	$(p\gamma)^{27}$P	8.9700e−01	0.0	0.5	2.3000	0.01	5.7e−03	0
	6.4468e+01	−2.6407e+00	6.5611e+01	−1.3371e+02	8.7405e+00	−5.3991e−01	5.9942e+01	8.7424e+01
^{27}Si	$(p\gamma)^{28}$P	2.0650e+00	2.5	3.0	0.2950	0.01	7.7e−03	0
	8.5988e+01	−2.8344e+00	8.3888e+01	−1.7396e+02	1.0915e+01	−6.3729e−01	7.7358e+01	1.0949e+02
^{28}Si	$(p\gamma)^{29}$P	2.7480e+00	0.0	0.5	0.2700	0.01	8.8e−03	
	8.4473e+01	−2.8726e+00	8.4394e+01	−1.7222e+02	1.0819e+01	−6.4168e−01	7.7192e+01	1.0743e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.92	0.87 0.84
^{29}Si	$(p\gamma)^{30}$P	5.5950e+00	0.5	1.0	0.0250	0.01	7.6e−03	
	7.6389e+01	−2.8858e+00	8.1491e+01	−1.6029e+02	9.7369e+00	−5.7660e−01	7.3255e+01	9.9638e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.96 0.86	0.75 0.67
^{30}Si	$(p\gamma)^{31}$P	7.2970e+00	0.0	0.5	0.0200	0.01	8.8e−03	
	1.2723e+02	−3.4506e+00	1.3580e+02	−2.6908e+02	1.6636e+01	−9.8955e−01	1.2226e+02	1.5020e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.90 0.78
^{25}P	$(p\gamma)^{26}$S	7.0000e−02	0.5	0.0	n.c.	0.01	3.8e−03	0
	5.0210e+01	−2.7088e+00	6.1392e+01	−1.1828e+02	7.8233e+00	−4.8276e−01	5.3752e+01	7.4550e+01
^{26}P	$(p\gamma)^{27}$S	1.4520e+00	3.0	1.5	n.c.	0.01	7.7e−03	0
	9.2842e+01	−3.0872e+00	9.9749e+01	−2.0035e+02	1.2408e+01	−7.2211e−01	9.0121e+01	1.1705e+02
^{27}P	$(p\gamma)^{28}$S	2.4630e+00	0.5	0.0	n.c.	0.01	9.4e−03	0
	1.0671e+02	−3.1768e+00	1.0827e+02	−2.2272e+02	1.3651e+01	−7.8966e−01	9.9231e+01	1.3106e+02
^{28}P	$(p\gamma)^{29}$S	3.2870e+00	3.0	2.5	1.3900	0.01	1.2e−02	0
	1.1447e+02	−3.2398e+00	1.1308e+02	−2.3486e+02	1.4704e+01	−8.6799e−01	1.0424e+02	1.3828e+02
^{29}P	$(p\gamma)^{30}$S	4.4000e+00	0.5	0.0	3.1050	0.01	1.1e−02	0
	1.0690e+02	−3.2737e+00	1.1172e+02	−2.2460e+02	1.3807e+01	−8.1543e−01	1.0137e+02	1.3125e+02
^{30}P	$(p\gamma)^{31}$S	6.1330e+00	1.0	0.5	0.2400	0.01	1.0e−02	
	1.2865e+02	−3.5954e+00	1.4027e+02	−2.7599e+02	1.6508e+01	−9.5457e−01	1.2607e+02	1.5271e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.92	0.85 0.73	0.62 0.52
^{31}P	$(p\gamma)^{32}$S	8.8640e+00	0.5	0.0	0.1400	0.01	1.1e−02	
	9.8539e+01	−3.3177e+00	1.0925e+02	−2.1347e+02	1.2999e+01	−7.7614e−01	9.7737e+01	1.2289e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.95 0.85	0.72 0.59
^{31}P	$(p\alpha)^{28}$Si	1.9160e+00	0.5	0.0	0.1400	0.01	9.2e−03	
	1.0782e+02	−3.5927e+00	1.3391e+02	−2.4700e+02	1.5222e+01	−9.2103e−01	1.1718e+02	1.0728e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.06 1.19	1.31 1.34
^{32}P	$(p\gamma)^{33}$S	9.5700e+00	1.0	1.5	0.0200	0.01	3.1e−03	
	1.0735e+02	−3.7925e+00	1.4762e+02	−2.6132e+02	1.4273e+01	−7.7624e−01	1.2675e+02	1.3073e+02
	1.00 1.01	1.03 1.07	1.10 1.12	1.14 1.15	1.15 1.17	1.17 1.14	1.10 1.01	0.89 0.77
^{32}P	$(pn)^{32}$S	9.2800e−01	1.0	0.0	0.0200	0.01	7.0e−03	
	8.2294e+01	−3.5670e+00	1.2461e+02	−2.0684e+02	1.1002e+01	−6.1290e−01	1.0490e+02	8.3393e+01
	1.00 1.00	1.00 0.99	0.98 0.98	0.98 0.97	0.97 0.96	0.96 0.96	0.96 0.93	0.89 0.85
^{32}P	$(p\alpha)^{29}$Si	2.4540e+00	1.0	0.5	0.0200	0.01	3.9e−03	
	1.1823e+02	−3.8993e+00	1.6002e+02	−2.8513e+02	1.6323e+01	−9.2848e−01	1.3846e+02	1.1740e+02
	1.00 1.02	1.07 1.14	1.19 1.21	1.23 1.23	1.23 1.22	1.07 1.02	1.03 1.10	1.19 1.24

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{30}S	$(p\gamma)^{31}$Cl	2.9100e−01	0.0	1.5	2.0500	0.01	4.6e−03	0
	6.6361e+01	−3.2035e+00	8.6218e+01	−1.5900e+02	9.8972e+00	−5.9626e−01	7.4466e+01	8.8631e+01
^{31}S	$(p\gamma)^{32}$Cl	1.5750e+00	0.5	1.0	0.2600	0.01	1.4e−02	0
	1.1114e+02	−3.4742e+00	1.1662e+02	−2.3607e+02	1.4882e+01	−8.9299e−01	1.0578e+02	1.3439e+02
^{32}S	$(p\gamma)^{33}$Cl	2.2770e+00	0.0	1.5	0.1950	0.01	1.4e−02	
	1.1387e+02	−3.5530e+00	1.2119e+02	−2.4322e+02	1.5388e+01	−9.2525e−01	1.0936e+02	1.3615e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.91 0.83
^{33}S	$(p\gamma)^{34}$Cl	5.1420e+00	1.5	0.0	0.0200	0.01	1.4e−02	
	1.1381e+02	−3.5963e+00	1.2228e+02	−2.4393e+02	1.5232e+01	−9.1193e−01	1.0989e+02	1.3886e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.96 0.89	0.79 0.67
^{34}S	$(p\gamma)^{35}$Cl	6.3710e+00	0.0	1.5	0.0250	0.01	1.2e−02	
	1.4755e+02	−4.0555e+00	1.6399e+02	−3.2101e+02	1.9884e+01	−1.1861e+00	1.4610e+02	1.6982e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.91 0.76
^{35}S	$(p\gamma)^{36}$Cl	7.9650e+00	1.5	2.0	0.0100	0.01	1.8e−02	
	1.9679e+02	−4.3280e+00	1.9282e+02	−4.0590e+02	2.7278e+01	−1.7067e+00	1.7637e+02	2.2023e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.96	0.87 0.71
^{35}S	$(p\alpha)^{32}$P	3.2400e−01	1.5	1.0	0.0100	0.01	8.5e−02	
	−4.7078e+01	−2.1929e+00	5.0928e+00	4.1118e+01	−8.2363e+00	6.6167e−01	1.0339e+01	−4.8042e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.03 1.18	1.42 2.05	2.75 3.22
^{36}S	$(p\gamma)^{37}$Cl	8.3870e+00	0.0	1.5	0.0100	0.01	9.4e−03	
	1.4100e+02	−4.1891e+00	1.6906e+02	−3.1778e+02	1.8918e+01	−1.1154e+00	1.4786e+02	1.6328e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.91 0.71
^{36}S	$(p\alpha)^{33}$P	5.3800e−01	0.0	0.5	0.0100	0.01	1.7e−02	
	1.2737e+02	−3.7970e+00	1.5658e+02	−3.0076e+02	1.6451e+01	−9.0015e−01	1.4790e+02	1.2542e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.10	1.34 1.72
^{27}Cl	$(p\gamma)^{28}$Ar	7.7000e−01	0.5	0.0	n.c.	0.01	1.1e−02	0
	1.0379e+02	−3.2993e+00	1.0361e+02	−2.1787e+02	1.3782e+01	−8.1269e−01	9.6143e+01	1.2814e+02
^{28}Cl	$(p\gamma)^{29}$Ar	1.4000e−01	1.0	1.5	n.c.	0.01	6.7e−03	0
	7.7470e+01	−3.2119e+00	8.7519e+01	−1.7366e+02	1.0894e+01	−6.4474e−01	7.8657e+01	1.0084e+02
^{29}Cl	$(p\gamma)^{30}$Ar	2.1680e+00	1.5	0.0	n.c.	0.01	1.4e−02	0
	1.3388e+02	−3.8824e+00	1.5038e+02	−2.9737e+02	1.8102e+01	−1.0488e+00	1.3449e+02	1.5892e+02
^{30}Cl	$(p\gamma)^{31}$Ar	1.4030e+00	1.0	0.5	n.c.	0.01	1.3e−02	0
	1.1566e+02	−3.5634e+00	1.1968e+02	−2.4538e+02	1.5362e+01	−9.0459e−01	1.0933e+02	1.3972e+02
^{31}Cl	$(p\gamma)^{32}$Ar	2.4040e+00	1.5	0.0	3.8800	0.01	7.1e−03	0
	1.1353e+02	−3.7681e+00	1.3231e+02	−2.5608e+02	1.5333e+01	−8.7657e−01	1.1721e+02	1.3857e+02
^{32}Cl	$(p\gamma)^{33}$Ar	3.3400e+00	1.0	0.5	1.3350	0.01	1.5e−02	0
	1.5045e+02	−4.0249e+00	1.5931e+02	−3.2193e+02	2.0045e+01	−1.1866e+00	1.4423e+02	1.7451e+02
^{33}Cl	$(p\gamma)^{34}$Ar	4.6640e+00	1.5	0.0	1.6200	0.01	1.4e−02	0
	1.3456e+02	−3.9540e+00	1.4791e+02	−2.9281e+02	1.7974e+01	−1.0573e+00	1.3262e+02	1.5960e+02
^{34}Cl	$(p\gamma)^{35}$Ar	5.8980e+00	0.0	1.5	0.1650	0.01	1.6e−02	
	1.6023e+02	−4.2382e+00	1.7350e+02	−3.4492e+02	2.1210e+01	−1.2464e+00	1.5563e+02	1.8251e+02
	1.00 1.00	1.00 0.99	0.96 0.92	0.87 0.83	0.78 0.75	0.58 0.52	0.49 0.48	0.45 0.41
^{35}Cl	$(p\gamma)^{36}$Ar	8.5060e+00	1.5	0.0	0.1250	0.01	1.5e−02	
	1.1921e+02	−3.9095e+00	1.3595e+02	−2.6360e+02	1.6227e+01	−9.7168e−01	1.2027e+02	1.4426e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.98 0.91	0.80 0.64
^{35}Cl	$(p\alpha)^{32}$S	1.8670e+00	1.5	0.0	0.1250	0.01	2.4e−02	
	1.0339e+02	−3.7342e+00	1.2070e+02	−2.3144e+02	1.5426e+01	−9.8619e−01	1.0717e+02	1.0352e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.02	1.05 1.18	1.34 1.47
^{36}Cl	$(p\gamma)^{37}$Ar	8.7150e+00	2.0	1.5	0.0200	0.01	8.0e−03	
	1.3301e+02	−4.3206e+00	1.7008e+02	−3.1127e+02	1.7970e+01	−1.0312e+00	1.4714e+02	1.5689e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.97	0.93 0.82	0.69 0.55
^{36}Cl	$(p\alpha)^{33}$S	1.9280e+00	2.0	1.5	0.0200	0.01	1.3e−02	
	1.3472e+02	−4.3462e+00	1.7625e+02	−3.2252e+02	1.9387e+01	−1.1490e+00	1.5393e+02	1.3368e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.03 1.11	1.20 1.41	1.56 1.67
^{37}Cl	$(p\gamma)^{38}$Ar	1.0242e+01	1.5	0.0	0.0300	0.01	7.6e−03	
	1.4326e+02	−4.4404e+00	1.7952e+02	−3.3164e+02	1.9332e+01	−1.1138e+00	1.5572e+02	1.6832e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.96	0.87 0.68
^{37}Cl	$(p\alpha)^{34}$S	3.0340e+00	1.5	0.0	0.0300	0.01	6.3e−03	
	1.2351e+02	−4.3775e+00	1.7153e+02	−3.0163e+02	1.6920e+01	−9.2851e−01	1.4641e+02	1.2364e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.04 1.10
^{38}Cl	$(p\gamma)^{39}$Ar	1.0733e+01	2.0	3.5	0.0100	0.01	7.6e−03	

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	9.1487e+01	−4.2396e+00	1.5245e+02	−2.5338e+02	1.3739e+01	−7.6818e−01	1.2699e+02	1.1468e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.96 0.90	0.84 0.75
^{38}Cl	(pn)^{38}Ar	4.1350e+00	2.0	0.0	0.0100	0.01	7.8e−03	1
	1.0063e+02	−4.2668e+00	1.5530e+02	−2.5906e+02	1.4161e+01	−7.8951e−01	1.2960e+02	1.0224e+02
^{38}Cl	(pα)^{35}S	3.9130e+00	2.0	1.5	0.0100	0.01	6.7e−03	
	9.1124e+01	−4.2664e+00	1.5493e+02	−2.5127e+02	1.2930e+01	−6.6242e−01	1.2843e+02	9.0085e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.95	0.93 0.98	1.12 1.35
^{33}Ar	(pγ)^{34}K	5.2000e−01	0.5	1.0	0.7000	0.01	1.2e−02	0
	1.0373e+02	−3.7615e+00	1.1803e+02	−2.3208e+02	1.4402e+01	−8.4993e−01	1.0523e+02	1.2698e+02
^{34}Ar	(pγ)^{35}K	7.8000e−02	0.0	1.5	1.0650	0.01	5.2e−03	0
	7.9842e+01	−3.8335e+00	1.1454e+02	−2.0385e+02	1.2393e+01	−7.3871e−01	9.6738e+01	1.0212e+02
^{35}Ar	(pγ)^{36}K	1.6660e+00	1.5	2.0	0.1700	0.01	1.8e−02	0
	1.2839e+02	−4.0033e+00	1.3767e+02	−2.7687e+02	1.7691e+01	−1.0728e+00	1.2368e+02	1.5183e+02
^{36}Ar	(pγ)^{37}K	1.8580e+00	0.0	1.5	0.1600	0.01	1.8e−02	
	1.2472e+02	−4.0710e+00	1.4039e+02	−2.7570e+02	1.7386e+01	−1.0460e+00	1.2483e+02	1.4699e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.97	0.93 0.85
^{37}Ar	(pγ)^{38}K	5.1430e+00	1.5	3.0	0.0200	0.01	1.9e−02	
	1.3199e+02	−4.1708e+00	1.4760e+02	−2.9047e+02	1.8227e+01	−1.1050e+00	1.3123e+02	1.5510e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.98 0.90	0.75 0.58
^{38}Ar	(pγ)^{39}K	6.3810e+00	0.0	1.5	0.0250	0.01	1.3e−02	
	1.6485e+02	−4.6711e+00	1.9221e+02	−3.6952e+02	2.2706e+01	−1.3463e+00	1.6921e+02	1.8713e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.91 0.72
^{39}Ar	(pγ)^{40}K	7.5820e+00	3.5	4.0	0.0100	0.01	3.9e−03	
	1.2117e+02	−4.4858e+00	1.6603e+02	−2.9520e+02	1.7022e+01	−9.8847e−01	1.4136e+02	1.4472e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.98 0.89	0.73 0.54
^{39}Ar	(pα)^{36}Cl	1.1440e+00	3.5	2.0	0.0100	0.01	9.6e−03	
	6.8934e+01	−4.4895e+00	1.6534e+02	−2.4809e+02	1.2509e+01	−7.0274e−01	1.3550e+02	6.8138e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.12	1.30 1.74	2.16 2.45
^{40}Ar	(pγ)^{41}K	7.8080e+00	0.0	1.5	0.0100	0.01	1.1e−02	
	1.3621e+02	−4.7127e+00	1.8577e+02	−3.3011e+02	1.8729e+01	−1.0924e+00	1.5836e+02	1.5850e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.93 0.71	0.47 0.29
^{40}Ar	(pα)^{37}Cl	1.5860e+00	0.0	1.5	0.0100	0.01	1.7e−02	
	1.3594e+02	−4.7955e+00	1.9916e+02	−3.4860e+02	1.9552e+01	−1.1226e+00	1.7152e+02	1.3328e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.04	1.08 1.06	0.95 0.91
^{33}K	(pγ)^{34}Ca	1.0320e+00	0.5	0.0	n.c.	0.01	1.8e−02	0
	1.3195e+02	−4.1262e+00	1.4660e+02	−2.9254e+02	1.8012e+01	−1.0581e+00	1.3191e+02	1.5630e+02
^{34}K	(pγ)^{35}Ca	1.3990e+00	1.0	0.5	n.c.	0.01	1.8e−02	0
	1.4073e+02	−4.2437e+00	1.5518e+02	−3.0969e+02	1.9105e+01	−1.1182e+00	1.3945e+02	1.6480e+02
^{35}K	(pγ)^{36}Ca	2.5610e+00	1.5	0.0	3.5950	0.01	1.2e−02	0
	1.4520e+02	−4.5736e+00	1.7848e+02	−3.3834e+02	2.0159e+01	−1.1594e+00	1.5585e+02	1.7025e+02
^{36}K	(pγ)^{37}Ca	3.0250e+00	2.0	1.5	1.0450	0.01	1.8e−02	0
	1.5991e+02	−4.5772e+00	1.8111e+02	−3.5489e+02	2.1527e+01	−1.2518e+00	1.6125e+02	1.8380e+02
^{37}K	(pγ)^{38}Ca	4.5490e+00	1.5	0.0	1.4150	0.01	1.9e−02	0
	1.5254e+02	−4.5530e+00	1.7509e+02	−3.4076e+02	2.0877e+01	−1.2359e+00	1.5517e+02	1.7759e+02
^{38}K	(pγ)^{39}Ca	5.7640e+00	3.0	1.5	0.1150	0.01	1.6e−02	
	1.6655e+02	−4.7684e+00	1.9276e+02	−3.7298e+02	2.2777e+01	−1.3369e+00	1.7024e+02	1.9078e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.01 1.01	1.02 1.01	1.00 0.96	0.87 0.70
^{39}K	(pγ)^{40}Ca	8.3280e+00	1.5	0.0	0.1100	0.01	2.1e−02	
	1.4500e+02	−4.5209e+00	1.6600e+02	−3.2369e+02	2.0276e+01	−1.2211e+00	1.4670e+02	1.7006e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.91 0.72
^{39}K	(pα)^{36}Ar	1.2880e+00	1.5	0.0	0.1100	0.01	6.6e−02	
	7.1612e+01	−3.7247e+00	9.6353e+01	−1.7935e+02	1.2455e+01	−8.6044e−01	8.7157e+01	7.1732e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.03 1.22	1.57 1.92
^{40}K	(pγ)^{41}Ca	8.8920e+00	4.0	3.5	0.0150	0.01	8.7e−03	
	1.4924e+02	−4.9375e+00	1.9814e+02	−3.5824e+02	2.0650e+01	−1.1800e+00	1.6987e+02	1.7302e+02
	1.00 0.96	0.93 0.91	0.90 0.89	0.88 0.88	0.87 0.87	0.86 0.85	0.83 0.77	0.67 0.53
^{40}K	(pn)^{40}Ca	5.2900e−01	4.0	0.0	0.0150	0.01	8.2e−03	
	1.3445e+02	−4.8573e+00	1.9020e+02	−3.3407e+02	1.8947e+01	−1.0495e+00	1.6188e+02	1.3665e+02
	1.05 1.18	1.26 1.30	1.31 1.32	1.33 1.34	1.35 1.37	1.50 1.56	1.59 1.59	1.55 1.47
^{40}K	(pα)^{37}Ar	2.2780e+00	4.0	1.5	0.0150	0.01	1.6e−02	
	1.5389e+02	−4.9752e+00	2.0637e+02	−3.7628e+02	2.2601e+01	−1.3238e+00	1.7912e+02	1.5343e+02

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.01 1.04	1.06 1.06	1.06 1.06	1.06 1.06	1.07 1.07	1.17 1.28	1.36 1.50	1.67 1.85
^{41}K	$(p\gamma)^{42}$Ca	1.0277e+01	1.5	0.0	0.0150	0.01	8.7e−03	
	1.3377e+02 −4.9405e+00	1.9351e+02	−3.3590e+02	1.8139e+01	−9.8793e−01	1.6335e+02	1.5883e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.89 0.65	0.47 0.35
^{41}K	$(p\alpha)^{38}$Ar	4.0200e+00	1.5	0.0	0.0150	0.01	9.8e−03	
	1.2505e+02 −4.8749e+00	1.8693e+02	−3.2021e+02	1.7817e+01	−9.8853e−01	1.5712e+02	1.2517e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.97 0.89	0.85 0.88
^{42}K	$(p\gamma)^{43}$Ca	1.0676e+01	2.0	3.5	0.0100	0.01	9.8e−03	
	1.0990e+02 −4.8395e+00	1.7942e+02	−3.0222e+02	1.6909e+01	−9.5654e−01	1.4939e+02	1.3310e+02	
	1.00 1.00	1.01 1.01	1.01 1.02	1.02 1.03	1.03 1.03	1.01 0.96	0.94 0.91	0.88 0.82
^{42}K	$(pn)^{42}$Ca	2.7430e+00	2.0	0.0	0.0100	0.01	1.0e−02	
	1.0964e+02 −4.8150e+00	1.7656e+02	−2.9212e+02	1.6016e+01	−8.9340e−01	1.4619e+02	1.1125e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.98 0.96	0.94 0.92
^{42}K	$(p\alpha)^{39}$Ar	3.0850e+00	2.0	3.5	0.0100	0.01	9.1e−03	
	8.8996e+01 −4.8320e+00	1.7705e+02	−2.7656e+02	1.4262e+01	−7.6044e−01	1.4445e+02	8.7251e+01	
	1.00 1.01	1.04 1.11	1.18 1.26	1.34 1.41	1.46 1.52	1.74 1.82	1.82 1.74	1.75 1.86
^{39}Ca	$(p\gamma)^{40}$Sc	5.3900e−01	1.5	4.0	0.1550	0.01	1.5e−02	0
	1.1755e+02 −4.4023e+00	1.4214e+02	−2.7269e+02	1.7475e+01	−1.0657e+00	1.2404e+02	1.4041e+02	
^{40}Ca	$(p\gamma)^{41}$Sc	1.0850e+00	0.0	3.5	0.1750	0.01	1.5e−02	1
	1.6117e+02 −5.0790e+00	2.0557e+02	−3.8559e+02	2.3294e+01	−1.3513e+00	1.7906e+02	1.8276e+02	
^{41}Ca	$(p\gamma)^{42}$Sc	4.2720e+00	3.5	0.0	0.0100	0.01	2.1e−02	
	1.4261e+02 −4.6916e+00	1.6647e+02	−3.2313e+02	2.0431e+01	−1.2367e+00	1.4625e+02	1.6836e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.87 0.70
^{42}Ca	$(p\gamma)^{43}$Sc	4.9300e+00	0.0	3.5	0.0150	0.01	1.5e−02	
	1.6685e+02 −5.2390e+00	2.1362e+02	−3.9425e+02	2.3562e+01	−1.3899e+00	1.8433e+02	1.8844e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.88	0.69 0.51
^{42}Ca	$(p\alpha)^{39}$K	1.2400e−01	0.0	1.5	0.0150	0.01	6.2e−02	
	−2.2340e+02 2.3105e+00	−3.9184e+02	6.3584e+02	−4.2043e+01	2.5214e+00	−2.8061e+02	−2.2606e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.04	1.69 2.62	3.52 4.46	4.17 3.71
^{43}Ca	$(p\gamma)^{44}$Sc	6.6960e+00	3.5	2.0	0.0100	0.01	7.9e−03	
	1.5252e+02 −5.3339e+00	2.1614e+02	−3.8003e+02	2.1284e+01	−1.1966e+00	1.8287e+02	1.7666e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.97 0.92	0.88 0.74	0.58 0.44
^{44}Ca	$(p\gamma)^{45}$Sc	6.8890e+00	0.0	3.5	0.0100	0.01	1.0e−02	
	1.5063e+02 −5.3172e+00	2.1244e+02	−3.7485e+02	2.1601e+01	−1.2581e+00	1.7984e+02	1.7222e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.89	0.69 0.49
^{45}Ca	$(p\gamma)^{46}$Sc	8.2350e+00	3.5	4.0	0.0100	0.01	8.7e−02	
	1.5360e+02 −4.8764e+00	1.7561e+02	−3.4541e+02	2.3269e+01	−1.4985e+00	1.5473e+02	1.7715e+02	
	1.00 1.00	1.00 1.00	0.99 0.98	0.96 0.95	0.93 0.92	0.88 0.85	0.84 0.83	0.80 0.72
^{46}Ca	$(p\gamma)^{47}$Sc	8.4860e+00	0.0	3.5	0.0100	0.01	1.2e−02	
	1.2461e+02 −5.2789e+00	2.0043e+02	−3.3336e+02	1.7821e+01	−1.0139e+00	1.6579e+02	1.4620e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.90 0.66	0.42 0.25
^{47}Ca	$(p\gamma)^{48}$Sc	9.4420e+00	3.5	6.0	0.0100	0.01	1.2e−02	
	1.1703e+02 −5.2763e+00	1.9725e+02	−3.2958e+02	1.8673e+01	−1.0795e+00	1.6289e+02	1.4022e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.93 0.78
^{47}Ca	$(pn)^{47}$Sc	1.2090e+00	3.5	3.5	0.0100	0.01	1.3e−02	1
	1.1671e+02 −5.2507e+00	1.9441e+02	−3.1922e+02	1.7696e+01	−9.9536e−01	1.5974e+02	1.1671e+02	
^{48}Ca	$(p\gamma)^{49}$Sc	9.6270e+00	0.0	3.5	0.0100	0.01	1.8e−02	
	2.3347e+02 −6.0163e+00	2.7581e+02	−5.3192e+02	3.3019e+01	−1.9451e+00	2.4100e+02	2.5506e+02	
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.94 0.76
^{37}Sc	$(p\gamma)^{38}$Ti	9.9200e−01	3.5	0.0	n.c.	0.01	1.6e−02	0
	1.7766e+02 −5.2437e+00	2.2291e+02	−4.2426e+02	2.5116e+01	−1.4313e+00	1.9622e+02	2.0341e+02	
^{38}Sc	$(p\gamma)^{39}$Ti	1.2480e+00	2.0	0.5	2.2950	0.01	2.1e−02	0
	1.5095e+02 −4.7708e+00	1.7469e+02	−3.4165e+02	2.0971e+01	−1.2270e+00	1.5486e+02	1.7553e+02	
^{39}Sc	$(p\gamma)^{40}$Ti	1.9710e+00	1.5	0.0	3.6600	0.01	1.3e−02	0
	1.5568e+02 −5.0661e+00	1.9542e+02	−3.6790e+02	2.1981e+01	−1.2683e+00	1.6959e+02	1.8073e+02	
^{40}Sc	$(p\gamma)^{41}$Ti	2.5630e+00	4.0	1.5	1.6650	0.01	2.3e−02	0
	1.4514e+02 −4.8521e+00	1.7516e+02	−3.3434e+02	2.0334e+01	−1.1939e+00	1.5343e+02	1.6962e+02	
^{41}Sc	$(p\gamma)^{42}$Ti	3.7680e+00	3.5	0.0	1.9950	0.01	2.5e−02	0
	1.6917e+02 −5.0519e+00	1.9338e+02	−3.7947e+02	2.3979e+01	−1.4425e+00	1.7102e+02	1.9491e+02	
^{42}Sc	$(p\gamma)^{43}$Ti	4.4880e+00	0.0	3.5	0.1500	0.01	1.3e−02	
	1.9024e+02 −5.5046e+00	2.3166e+02	−4.3891e+02	2.6173e+01	−1.4976e+00	2.0205e+02	2.1183e+02	

Target	Reaction		Q		J_i		J_f		$T_\mathrm{low}^\mathrm{HF}$		$T_\mathrm{low}^\mathrm{fit}$		Dev		SEF	
	a_0		a_1		a_2		a_3		a_4		a_5		a_6		a_0^rev	
T_9^SEF:	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	2.0	3.0	4.0	6.0	8.0	10.0
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.73	0.50	0.39	0.30	0.26	0.22
^{42}Sc	(pα)^{39}Ca		1.9000e−02		0.0		1.5		0.1500		0.01		1.1e−01			
	−2.8756e+02		5.8812e+00		−6.5442e+02		9.7287e+02		−5.9226e+01		3.4635e+00		−4.6044e+02		−2.9022e+02	
	1.00	1.00	1.01	1.08	1.24	1.47	1.71	1.96	2.19	2.41	3.31	3.20	3.18	3.20	3.22	3.49
^{43}Sc	(pγ)^{44}Ti		8.6500e+00		3.5		0.0		0.0750		0.01		2.2e−02			
	1.6484e+02		−5.3150e+00		2.0939e+02		−3.8948e+02		2.2995e+01		−1.3277e+00		1.8109e+02		1.9059e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.98	0.99	0.96	0.90	0.81	0.64	0.50	0.40
^{43}Sc	(pα)^{40}Ca		3.5230e+00		3.5		0.0		0.0750		0.01		1.8e−02			
	1.3591e+02		−5.2575e+00		1.9958e+02		−3.4705e+02		1.9940e+01		−1.1353e+00		1.6831e+02		1.3672e+02	
	1.00	1.00	1.00	1.00	1.00	1.01	1.01	1.03	1.04	1.05	1.22	1.32	1.36	1.32	1.26	1.29
^{44}Sc	(pγ)^{45}Ti		8.4800e+00		2.0		3.5		0.0100		0.01		8.0e−03			
	1.5220e+02		−5.5202e+00		2.2118e+02		−3.8511e+02		2.1156e+01		−1.1537e+00		1.8642e+02		1.7540e+02	
	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.98	0.97	0.96	0.81	0.73	0.68	0.63	0.58	0.52
^{44}Sc	(pα)^{41}Ca		2.1860e+00		2.0		3.5		0.0100		0.01		5.4e−03			
	1.4961e+02		−5.7035e+00		2.4083e+02		−4.0740e+02		2.1736e+01		−1.1423e+00		2.0290e+02		1.4786e+02	
	1.00	1.00	0.99	0.98	0.99	1.02	1.05	1.09	1.13	1.17	1.47	1.60	1.70	1.74	1.82	2.02
^{45}Sc	(pγ)^{46}Ti		1.0345e+01		3.5		0.0		0.0150		0.01		9.4e−03			
	1.3621e+02		−5.4776e+00		2.1260e+02		−3.5876e+02		1.9134e+01		−1.0398e+00		1.7697e+02		1.6196e+02	
	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.01	0.93	0.84	0.65	0.50	0.39
^{45}Sc	(pα)^{42}Ca		2.3420e+00		3.5		0.0		0.0150		0.01		6.7e−03			
	1.4019e+02		−5.6485e+00		2.3279e+02		−3.8973e+02		2.0398e+01		−1.0374e+00		1.9541e+02		1.4099e+02	
	1.28	1.50	1.60	1.66	1.70	1.73	1.76	1.80	1.83	1.87	2.11	2.15	2.08	2.03	2.21	2.38
^{46}Sc	(pγ)^{47}Ti		1.0462e+01		4.0		2.5		0.0100		0.01		5.2e−03			
	1.3451e+02		−5.5051e+00		2.1208e+02		−3.5860e+02		1.9279e+01		−1.0191e+00		1.7625e+02		1.5859e+02	
	1.01	1.12	1.42	2.02	2.98	4.09	5.14	5.95	6.50	6.73	4.67	2.82	1.93	1.25	1.00	0.83
^{46}Sc	(pn)^{46}Ti		1.5840e+00		4.0		0.0		0.0100		0.01		1.5e−02			
	1.2014e+02		−5.3851e+00		2.0009e+02		−3.2945e+02		1.8175e+01		−1.0179e+00		1.6483e+02		1.2234e+02	
	1.00	0.95	0.90	0.88	0.86	0.85	0.85	0.85	0.85	0.86	0.91	0.94	0.95	0.95	0.96	0.95
^{46}Sc	(pα)^{43}Ca		1.5140e+00		4.0		3.5		0.0100		0.01		7.7e−03			
	7.0637e+01		−5.2681e+00		1.8986e+02		−2.7891e+02		1.3914e+01		−7.7074e−01		1.5314e+02		6.9470e+01	
	1.06	1.37	1.64	2.11	2.49	2.63	2.59	2.43	2.26	2.08	1.34	1.45	1.59	1.79	1.95	2.08
^{47}Sc	(pγ)^{48}Ti		1.1444e+01		3.5		0.0		0.0100		0.01		4.5e−03			
	5.0417e+01		−5.0684e+00		1.5519e+02		−2.1178e+02		9.7029e+00		−4.8757e−01		1.1731e+02		7.6171e+01	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.98	0.95	0.87	0.76	0.61
^{47}Sc	(pα)^{44}Ca		2.0010e+00		3.5		0.0		0.0100		0.01		8.4e−03			
	7.4458e+01		−5.7920e+00		2.2428e+02		−3.1898e+02		1.5947e+01		−8.7731e−01		1.7494e+02		7.5250e+01	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.02	1.35	1.90	2.30	2.73	2.97	3.11
^{48}Sc	(pγ)^{49}Ti		1.1354e+01		6.0		3.5		0.0100		0.01		1.1e−02			
	1.0117e+02		−5.4932e+00		1.9883e+02		−3.1384e+02		1.7025e+01		−9.4570e−01		1.5940e+02		1.2533e+02	
	1.00	1.00	0.99	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.87	0.85	0.83	0.80	0.77	0.79
^{48}Sc	(pn)^{48}Ti		3.2110e+00		6.0		0.0		0.0100		0.01		1.3e−02			1
	1.1889e+02		−5.4556e+00		2.0112e+02		−3.2919e+02		1.8277e+01		−1.0338e+00		1.6495e+02		1.2146e+02	
^{48}Sc	(pα)^{45}Ca		1.1840e+00		6.0		3.5		0.0100		0.01		3.8e−03			
	7.2723e+01		−5.8698e+00		2.3934e+02		−3.3586e+02		1.4128e+01		−5.9654e−01		1.9097e+02		7.1919e+01	
	1.00	1.00	1.04	1.12	1.23	1.35	1.46	1.55	1.63	1.70	2.09	2.31	2.49	2.99	4.59	8.14
^{49}Sc	(pγ)^{50}Ti		1.2163e+01		3.5		0.0		0.0100		0.01		1.1e−02			
	1.0694e+02		−5.4350e+00		1.9556e+02		−3.1737e+02		1.7535e+01		−9.9986e−01		1.5938e+02		1.3270e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.92	0.75
^{49}Sc	(pn)^{49}Ti		1.2240e+00		3.5		3.5		0.0100		0.01		1.4e−02			1
	1.2028e+02		−5.5213e+00		2.0456e+02		−3.3414e+02		1.8508e+01		−1.0416e+00		1.6748e+02		1.2028e+02	
^{49}Sc	(pα)^{46}Ca		1.4470e+00		3.5		0.0		0.0100		0.01		1.9e−03			
	7.3240e+01		−5.6672e+00		2.1820e+02		−3.1611e+02		1.4919e+01		−7.2002e−01		1.7479e+02		7.4028e+01	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.03	1.10	1.58	2.97	5.32
^{50}Sc	(pγ)^{51}Ti		1.2478e+01		5.0		1.5		0.0100		0.01		1.4e−02			
	1.1652e+02		−5.5909e+00		2.0876e+02		−3.4304e+02		1.9191e+01		−1.0976e+00		1.7110e+02		1.4120e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	0.97	0.97	0.97	0.92	0.84
^{50}Sc	(pn)^{50}Ti		6.1060e+00		5.0		0.0		0.0100		0.01		1.4e−02			1
	1.2045e+02		−5.5697e+00		2.0642e+02		−3.3613e+02		1.8597e+01		−1.0470e+00		1.6868e+02		1.2285e+02	
^{50}Sc	(pα)^{47}Ca		2.6660e+00		5.0		3.5		0.0100		0.01		1.4e−02			
	5.0625e+01		−5.3676e+00		1.8287e+02		−2.4732e+02		1.0176e+01		−4.1107e−01		1.4185e+02		4.9650e+01	
	1.00	1.00	1.00	1.00	1.00	1.01	1.02	1.03	1.05	1.06	1.20	1.25	1.26	1.32	1.76	3.56

Target	Reaction		Q		J_i		J_f		T_{low}^{HF}		T_{low}^{fit}		Dev		SEF	
	a_0		a_1		a_2		a_3		a_4		a_5		a_6		a_0^{rev}	
T_9^{SEF}:	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	2.0	3.0	4.0	6.0	8.0	10.0
^{43}Ti	$(p\gamma)^{44}$V		1.0450e+00		3.5		3.0		0.1650		0.01		2.7e−02		0	
	1.6861e+02	−5.2686e+00	1.9807e+02	−3.8452e+02	2.4121e+01	−1.4379e+00	1.7393e+02	1.9241e+02								
^{44}Ti	$(p\gamma)^{45}$V		1.6140e+00		0.0		3.5		0.0600		0.01		3.2e−02			
	1.6848e+02	−5.4217e+00	2.0848e+02	−3.9379e+02	2.4211e+01	−1.4486e+00	1.8115e+02	1.9007e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.97	0.86	0.72	0.59
^{45}Ti	$(p\gamma)^{46}$V		5.3560e+00		3.5		0.0		0.0100		0.01		2.6e−02			
	1.8301e+02	−5.6212e+00	2.2505e+02	−4.2643e+02	2.5875e+01	−1.5149e+00	1.9569e+02	2.0876e+02								
	1.00	1.00	1.00	0.99	0.98	0.98	0.97	0.97	0.96	0.95	0.91	0.85	0.80	0.69	0.59	0.48
^{46}Ti	$(p\gamma)^{47}$V		5.1680e+00		0.0		1.5		0.0100		0.01		1.3e−02			
	1.6843e+02	−5.8150e+00	2.3562e+02	−4.1939e+02	2.4229e+01	−1.3820e+00	1.9984e+02	1.9072e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.00	0.92	0.78
^{47}Ti	$(p\gamma)^{48}$V		6.8320e+00		2.5		4.0		0.0100		0.01		1.0e−02			
	1.5217e+02	−5.8192e+00	2.3069e+02	−3.9600e+02	2.2025e+01	−1.2430e+00	1.9285e+02	1.7544e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.96	0.95	0.92	0.83	0.67	0.50
^{48}Ti	$(p\gamma)^{49}$V		6.7580e+00		0.0		3.5		0.0100		0.01		1.1e−02			
	1.5724e+02	−5.8777e+00	2.3415e+02	−4.0566e+02	2.3219e+01	−1.3517e+00	1.9621e+02	1.7884e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.02	0.94	0.71	0.48
^{49}Ti	$(p\gamma)^{50}$V		7.9490e+00		3.5		6.0		0.0100		0.01		7.8e−03			
	1.3846e+02	−5.9014e+00	2.3068e+02	−3.7965e+02	1.9147e+01	−9.6992e−01	1.8979e+02	1.6165e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.95	0.77	0.59	0.46
^{50}Ti	$(p\gamma)^{51}$V		8.0610e+00		0.0		3.5		0.0100		0.01		1.3e−02			
	1.5202e+02	−5.9406e+00	2.3403e+02	−3.9977e+02	2.2719e+01	−1.3405e+00	1.9478e+02	1.7362e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.96	0.79	0.54	0.31
^{51}Ti	$(p\gamma)^{52}$V		9.0000e+00		1.5		3.0		0.0100		0.01		1.8e−02			
	1.3035e+02	−5.8392e+00	2.2095e+02	−3.7012e+02	2.1084e+01	−1.2234e+00	1.8233e+02	1.5346e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	0.91	0.80	0.65
^{51}Ti	$(pn)^{51}$V		1.6890e+00		1.5		3.5		0.0100		0.01		1.5e−02		1	
	1.2181e+02	−5.7807e+00	2.1332e+02	−3.4538e+02	1.9042e+01	−1.0697e+00	1.7379e+02	1.2111e+02								
^{52}Ti	$(p\gamma)^{53}$V		9.6700e+00		0.0		3.5		0.0100		0.01		1.7e−02			
	1.1670e+02	−5.8335e+00	2.1562e+02	−3.5083e+02	1.9613e+01	−1.1286e+00	1.7564e+02	1.3830e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	0.92	0.82	0.71
^{52}Ti	$(pn)^{52}$V		1.1910e+00		0.0		3.0		0.0100		0.01		1.6e−02		1	
	1.2538e+02	−5.8501e+00	2.1754e+02	−3.5356e+02	1.9607e+01	−1.1070e+00	1.7737e+02	1.2344e+02								
^{52}Ti	$(p\alpha)^{49}$Sc		1.9530e+00		0.0		3.5		0.0100		0.01		2.1e−02			
	1.2291e+01	−5.4453e+00	1.7297e+02	−1.9992e+02	6.0834e+00	−1.4471e−01	1.2891e+02	8.9142e+00								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.27	1.83	2.26	2.69	4.04	11.21
^{41}V	$(p\gamma)^{42}$Cr		9.6300e−01		0.5		0.0		n.c.		0.01		3.0e−02		0	
	1.8576e+02	−5.4507e+00	2.1447e+02	−4.2150e+02	2.5925e+01	−1.5263e+00	1.9019e+02	2.1013e+02								
^{42}V	$(p\gamma)^{43}$Cr		1.3460e+00		2.0		1.5		2.1450		0.01		2.9e−02		0	
	1.8304e+02	−5.4950e+00	2.1476e+02	−4.1727e+02	2.5529e+01	−1.4958e+00	1.8936e+02	2.0694e+02								
^{43}V	$(p\gamma)^{44}$Cr		2.7510e+00		0.5		0.0		2.7600		0.01		2.2e−02		0	
	1.7095e+02	−5.5383e+00	2.1294e+02	−4.0147e+02	2.3948e+01	−1.3909e+00	1.8510e+02	1.9532e+02								
^{44}V	$(p\gamma)^{45}$Cr		3.1000e+00		3.0		2.5		0.6750		0.01		2.5e−02		0	
	1.8862e+02	−5.7892e+00	2.3443e+02	−4.4143e+02	2.6309e+01	−1.5228e+00	2.0373e+02	2.1244e+02								
^{45}V	$(p\gamma)^{46}$Cr		4.8860e+00		3.5		0.0		0.9900		0.01		2.7e−02		0	
	1.8761e+02	−5.7808e+00	2.3093e+02	−4.3787e+02	2.6568e+01	−1.5358e+00	2.0086e+02	2.1336e+02								
^{46}V	$(p\gamma)^{47}$Cr		4.7680e+00		0.0		1.5		0.0400		0.01		1.1e−02			
	1.5461e+02	−5.9330e+00	2.3480e+02	−4.0241e+02	2.1352e+01	−1.1210e+00	1.9651e+02	1.7689e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.74	0.53	0.33	0.25	0.19
^{47}V	$(p\gamma)^{48}$Cr		8.1000e+00		1.5		0.0		0.0350		0.01		2.6e−02			
	1.9461e+02	−5.9964e+00	2.4520e+02	−4.6013e+02	2.7821e+01	−1.6322e+00	2.1213e+02	2.1967e+02								
	1.00	1.00	1.00	0.99	0.98	0.96	0.95	0.93	0.92	0.91	0.88	0.89	0.89	0.83	0.71	0.55
^{47}V	$(p\alpha)^{44}$Ti		4.0800e−01		1.5		0.0		0.0350		0.01		1.2e−01			
	−3.2128e+02	1.8363e+00	−4.3043e+02	7.7682e+02	−5.0941e+01	3.0567e+00	−3.3555e+02	−3.2118e+02								
	1.00	1.02	1.09	1.15	1.17	1.17	1.14	1.11	1.07	1.04	0.88	0.95	1.14	1.75	2.50	3.00
^{48}V	$(p\gamma)^{49}$Cr		8.1400e+00		4.0		2.5		0.0100		0.01		6.6e−03			
	1.5082e+02	−6.0876e+00	2.4203e+02	−4.0591e+02	2.1351e+01	−1.1174e+00	2.0059e+02	1.7491e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.87	0.72	0.65	0.56	0.49	0.41
^{49}V	$(p\gamma)^{50}$Cr		9.5870e+00		3.5		0.0		0.0100		0.01		1.1e−02			
	1.4620e+02	−6.0440e+00	2.3542e+02	−3.9465e+02	2.1346e+01	−1.1796e+00	1.9482e+02	1.7196e+02								
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.93	0.87	0.72	0.57	0.42

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{49}V	$(p\alpha)^{46}$Ti	1.0330e+00	3.5	0.0	0.0100	0.01	1.4e−02	
	1.0022e+02	−5.3164e+00	1.7665e+02	−3.0135e+02	1.5350e+01	−8.1540e−01	1.5824e+02	1.0101e+02
	1.00 1.05	1.31 1.66	1.98 2.21	2.41 2.52	2.61 2.68	2.90 3.08	3.36 3.75	3.93 3.90
^{50}V	$(p\gamma)^{51}$Cr	9.5160e+00	6.0	3.5	0.0100	0.01	8.6e−03	
	1.5472e+02	−6.1761e+00	2.4557e+02	−4.1406e+02	2.2142e+01	−1.1822e+00	2.0363e+02	1.7888e+02
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.98	0.97 0.96	0.78 0.65	0.57 0.47	0.41 0.35
^{50}V	$(pn)^{50}$Cr	2.5400e−01	6.0	0.0	0.0100	0.01	2.5e−02	
	1.9593e+02	−6.6604e+00	2.9839e+02	−5.1574e+02	2.8622e+01	−1.5838e+00	2.5244e+02	1.9849e+02
	1.00 1.00	1.02 1.07	1.15 1.25	1.36 1.47	1.57 1.67	1.65 1.45	1.34 1.23	1.18 1.14
^{50}V	$(p\alpha)^{47}$Ti	5.7800e−01	6.0	2.5	0.0100	0.01	7.6e−02	
	−2.4915e+02	1.1280e+00	−3.6170e+02	6.2825e+02	−4.1922e+01	2.5477e+00	−2.7053e+02	−2.4967e+02
	1.00 1.00	1.03 1.12	1.22 1.30	1.36 1.41	1.47 1.54	2.95 3.67	4.01 4.36	4.70 5.22
^{51}V	$(p\gamma)^{52}$Cr	1.0505e+01	3.5	0.0	0.0100	0.01	6.9e−03	
	1.5263e+02	−6.2524e+00	2.4913e+02	−4.1490e+02	2.1583e+01	−1.1200e+00	2.0551e+02	1.7839e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.95 0.89	0.84 0.75	0.64 0.50
^{51}V	$(p\alpha)^{48}$Ti	1.1540e+00	3.5	0.0	0.0100	0.01	5.0e−02	
	2.6095e+02	−7.0218e+00	3.4910e+02	−6.5690e+02	4.0783e+01	−2.4613e+00	3.0874e+02	2.6173e+02
	1.00 1.00	1.00 1.01	1.03 1.05	1.09 1.12	1.14 1.17	1.61 1.96	2.17 2.76	3.78 5.02
^{52}V	$(p\gamma)^{53}$Cr	1.1133e+01	3.0	1.5	0.0100	0.01	1.8e−02	
	1.2930e+02	−6.0213e+00	2.2473e+02	−3.7336e+02	2.1346e+01	−1.2407e+00	1.8455e+02	1.5353e+02
	1.11 1.18	1.20 1.18	1.16 1.15	1.13 1.11	1.10 1.10	1.07 1.06	1.04 1.00	0.92 0.81
^{52}V	$(pn)^{52}$Cr	3.1940e+00	3.0	0.0	0.0100	0.01	1.7e−02	1
	1.3028e+02	−6.0406e+00	2.2557e+02	−3.6791e+02	2.0497e+01	−1.1602e+00	1.8415e+02	1.3223e+02
^{52}V	$(p\alpha)^{49}$Ti	1.9850e+00	3.0	3.5	0.0100	0.01	1.3e−02	
	6.0920e+01	−5.8934e+00	2.0963e+02	−2.9146e+02	1.3426e+01	−6.6837e−01	1.6469e+02	5.9490e+01
	1.02 1.01	1.00 0.99	0.98 0.98	0.99 1.00	1.01 1.01	1.08 1.20	1.35 1.72	2.35 3.92
^{53}V	$(p\gamma)^{54}$Cr	1.2373e+01	3.5	0.0	0.0100	0.01	2.0e−02	
	1.1849e+02	−6.0248e+00	2.2118e+02	−3.5808e+02	1.9617e+01	−1.0756e+00	1.7986e+02	1.4424e+02
	1.00 1.00	1.00 1.00	0.99 0.99	0.99 0.98	0.98 0.98	0.97 0.98	0.97 0.98	1.06 1.33
^{53}V	$(pn)^{53}$Cr	2.6540e+00	3.5	1.5	0.0100	0.01	1.7e−02	
	1.3160e+02	−6.0948e+00	2.2807e+02	−3.7187e+02	2.0789e+01	−1.1846e+00	1.8603e+02	1.3229e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.93
^{53}V	$(p\alpha)^{50}$Ti	4.4450e+00	3.5	0.0	0.0100	0.01	1.4e−02	
	8.5975e+01	−5.9584e+00	2.1166e+02	−3.1305e+02	1.4854e+01	−6.4253e−01	1.6750e+02	8.6755e+01
	1.00 1.01	1.01 1.03	1.05 1.10	1.14 1.19	1.23 1.28	1.47 1.45	1.41 1.61	3.39 8.83
^{54}V	$(p\gamma)^{55}$Cr	1.2506e+01	3.0	1.5	0.0100	0.01	1.7e−02	
	1.1758e+02	−6.1316e+00	2.2774e+02	−3.6375e+02	1.9504e+01	−1.0410e+00	1.8427e+02	1.4182e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.00 1.00	0.99 0.99	0.99 1.06	1.34 1.83
^{54}V	$(pn)^{54}$Cr	6.2600e+00	3.0	0.0	0.0100	0.01	1.7e−02	
	1.2985e+02	−6.1482e+00	2.2986e+02	−3.7123e+02	2.0535e+01	−1.1666e+00	1.8668e+02	1.3180e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.92
^{54}V	$(p\alpha)^{51}$Ti	4.7040e+00	3.0	1.5	0.0100	0.01	1.0e−02	
	1.2125e+02	−6.2367e+00	2.3809e+02	−3.7908e+02	2.0470e+01	−1.0662e+00	1.9300e+02	1.2051e+02
	1.00 1.00	1.00 1.00	1.01 1.01	1.01 1.02	1.03 1.04	1.12 1.18	1.28 2.14	5.11 8.50
^{45}Cr	$(p\gamma)^{46}$Mn	7.0000e−03	2.5	4.0	0.3100	0.01	2.7e−02	0
	1.4465e+02	−5.4083e+00	1.8364e+02	−3.4665e+02	2.1903e+01	−1.3317e+00	1.5845e+02	1.6792e+02
^{46}Cr	$(p\gamma)^{47}$Mn	3.2400e−01	0.0	2.5	0.3400	0.01	2.9e−02	0
	1.6879e+02	−5.6652e+00	2.0695e+02	−3.9648e+02	2.5788e+01	−1.6214e+00	1.7981e+02	1.9067e+02
^{47}Cr	$(p\gamma)^{48}$Mn	2.6780e+00	1.5	4.0	0.0500	0.01	2.3e−02	0
	2.0081e+02	−6.2312e+00	2.5733e+02	−4.7929e+02	2.8821e+01	−1.6907e+00	2.2196e+02	2.2367e+02
^{48}Cr	$(p\gamma)^{49}$Mn	2.0840e+00	0.0	2.5	0.0400	0.01	3.2e−02	
	1.7875e+02	−6.0684e+00	2.3794e+02	−4.3669e+02	2.6281e+01	−1.5423e+00	2.0380e+02	2.0063e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.03 1.08	1.13 1.21	1.22 1.13
^{49}Cr	$(p\gamma)^{50}$Mn	4.5850e+00	2.5	0.0	0.0100	0.01	2.4e−02	
	2.0490e+02	−6.3654e+00	2.6469e+02	−4.9192e+02	2.9400e+01	−1.7019e+00	2.2793e+02	2.3037e+02
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.99 0.98	0.90 0.87	0.84 0.76	0.66 0.52
^{50}Cr	$(p\gamma)^{51}$Mn	5.2720e+00	0.0	2.5	0.0100	0.01	1.4e−02	
	1.7680e+02	−6.3926e+00	2.5903e+02	−4.5384e+02	2.6027e+01	−1.4870e+00	2.1775e+02	1.9869e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.96	0.84 0.64
^{51}Cr	$(p\gamma)^{52}$Mn	6.5450e+00	3.5	6.0	0.0100	0.01	1.3e−02	
	1.5167e+02	−6.3318e+00	2.4732e+02	−4.1353e+02	2.2465e+01	−1.2494e+00	2.0420e+02	1.7486e+02

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.92 0.75	0.57 0.41
^{52}Cr	(pγ)^{53}Mn	6.5600e+00	0.0	3.5	0.0100	0.01	1.4e−02	
	1.7217e+02	−6.4708e+00	2.6002e+02	−4.4990e+02	2.5916e+01	−1.5120e+00	2.1720e+02	1.9376e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 0.91	0.68 0.44
^{53}Cr	(pγ)^{54}Mn	7.5600e+00	1.5	3.0	0.0100	0.01	7.6e−03	
	1.4870e+02	−6.5067e+00	2.5658e+02	−4.1820e+02	2.0868e+01	−1.0242e+00	2.0979e+02	1.7182e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.92	0.82 0.63	0.51 0.42
^{54}Cr	(pγ)^{55}Mn	8.0670e+00	0.0	2.5	0.0100	0.01	1.4e−02	
	1.2910e+02	−6.3678e+00	2.3966e+02	−3.7945e+02	1.8799e+01	−9.7499e−01	1.9369e+02	1.5099e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.86	0.71 0.47	0.31 0.22
^{54}Cr	(pα)^{51}V	1.3300e−01	0.0	3.5	0.0100	0.01	6.4e−02	
	−4.3080e+02	9.3977e+00	−9.7799e+02	1.4522e+03	−8.2529e+01	4.5312e+00	−7.0241e+02	−4.3418e+02
	1.00 1.00	1.00 1.00	1.02 1.06	1.10 1.15	1.18 1.21	2.63 4.71	6.17 7.90	9.39 11.54
^{55}Cr	(pγ)^{56}Mn	9.0910e+00	1.5	3.0	0.0100	0.01	1.9e−02	
	1.2780e+02	−6.3577e+00	2.3717e+02	−3.8475e+02	2.1484e+01	−1.2437e+00	1.9273e+02	1.5092e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.97	0.96 0.90	0.80 0.64
^{55}Cr	(pn)^{55}Mn	1.8200e+00	1.5	2.5	0.0100	0.01	2.0e−02	1
	1.2989e+02	−6.3313e+00	2.3443e+02	−3.7651e+02	2.0722e+01	−1.1706e+00	1.8993e+02	1.2949e+02
^{55}Cr	(pα)^{52}V	1.1980e+00	1.5	3.0	0.0100	0.01	1.2e−02	
	−5.6464e+01	−5.1545e+00	1.0890e+02	−6.2991e+01	−4.8885e+00	5.6422e−01	7.6896e+01	−5.8325e+01
	1.00 1.00	1.00 1.01	1.02 1.05	1.09 1.13	1.19 1.26	1.93 2.38	2.75 3.55	4.62 5.99
^{56}Cr	(pγ)^{57}Mn	9.4850e+00	0.0	2.5	0.0100	0.01	2.1e−02	
	1.1763e+02	−6.3616e+00	2.3361e+02	−3.6996e+02	2.0003e+01	−1.1238e+00	1.8806e+02	1.3951e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.91	0.81 0.78
^{56}Cr	(pn)^{56}Mn	8.3400e−01	0.0	3.0	0.0100	0.01	1.9e−02	1
	1.3253e+02	−6.4014e+00	2.3844e+02	−3.8327e+02	2.1108e+01	−1.1938e+00	1.9311e+02	1.3058e+02
^{56}Cr	(pα)^{53}V	1.4200e+00	0.0	3.5	0.0100	0.01	1.4e−02	
	−1.0479e+02	−4.8268e+00	6.8971e+01	3.1771e+01	−1.1886e+01	1.0916e+00	3.7603e+01	−1.0817e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.02	1.49 2.33	3.11 4.70	11.45 35.05
^{45}Mn	(pγ)^{46}Fe	1.3920e+00	2.5	0.0	n.c.	0.01	3.5e−02	0
	2.0084e+02	−6.0944e+00	2.4460e+02	−4.7031e+02	2.8873e+01	−1.7097e+00	2.1430e+02	2.2630e+02
^{46}Mn	(pγ)^{47}Fe	1.6080e+00	4.0	2.5	1.3100	0.01	3.1e−02	0
	1.8241e+02	−6.0134e+00	2.3092e+02	−4.3345e+02	2.6116e+01	−1.5269e+00	1.9985e+02	2.0649e+02
^{47}Mn	(pγ)^{48}Fe	3.0640e+00	2.5	0.0	1.5650	0.01	3.4e−02	0
	1.7698e+02	−6.0127e+00	2.2725e+02	−4.2442e+02	2.5793e+01	−1.5285e+00	1.9594e+02	2.0244e+02
^{48}Mn	(pγ)^{49}Fe	2.3390e+00	4.0	3.5	0.2700	0.01	2.1e−02	0
	1.9962e+02	−6.4747e+00	2.6693e+02	−4.8843e+02	2.8714e+01	−1.6517e+00	2.2861e+02	2.2342e+02
^{49}Mn	(pγ)^{50}Fe	4.1500e+00	2.5	0.0	1.2050	0.01	1.7e−02	0
	2.0287e+02	−6.6093e+00	2.7609e+02	−5.0090e+02	2.9038e+01	−1.6279e+00	2.3558e+02	2.2834e+02
^{50}Mn	(pγ)^{51}Fe	4.8850e+00	0.0	2.5	0.0600	0.01	1.4e−02	
	1.9142e+02	−6.6467e+00	2.7460e+02	−4.8632e+02	2.7716e+01	−1.5619e+00	2.3196e+02	2.1331e+02
	1.00 1.00	1.00 1.00	1.00 0.99	0.98 0.96	0.94 0.91	0.65 0.50	0.42 0.33	0.27 0.21
^{51}Mn	(pγ)^{52}Fe	7.3810e+00	2.5	0.0	0.0600	0.01	2.6e−02	
	2.1030e+02	−6.6793e+00	2.7864e+02	−5.1244e+02	3.0459e+01	−1.7682e+00	2.3868e+02	2.3577e+02
	1.00 1.00	1.00 1.00	1.00 0.99	0.99 0.98	0.97 0.96	0.88 0.83	0.78 0.67	0.54 0.40
^{52}Mn	(pγ)^{53}Fe	7.5290e+00	6.0	3.5	0.0100	0.01	1.2e−02	
	1.5458e+02	−6.5679e+00	2.5677e+02	−4.2664e+02	2.2664e+01	−1.2123e+00	2.1144e+02	1.7875e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.00	1.01 0.96	0.89 0.77	0.66 0.54
^{53}Mn	(pγ)^{54}Fe	8.8540e+00	3.5	0.0	0.0200	0.01	1.2e−02	
	1.6093e+02	−6.6528e+00	2.6241e+02	−4.3980e+02	2.4088e+01	−1.3408e+00	2.1651e+02	1.8669e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.96	0.93 0.84	0.69 0.50
^{53}Mn	(pα)^{50}Cr	4.3500e−01	3.5	0.0	0.0200	0.01	2.8e−01	
	−5.2839e+02	9.0569e+00	−9.9518e+02	1.5789e+03	−9.4386e+01	5.4227e+00	−7.4148e+02	−5.2761e+02
	1.00 1.00	1.01 1.03	1.09 1.16	1.24 1.32	1.40 1.48	2.05 2.40	2.82 4.09	5.61 7.01
^{54}Mn	(pγ)^{55}Fe	9.2130e+00	3.0	1.5	0.0100	0.01	1.2e−02	
	1.4787e+02	−6.6432e+00	2.5685e+02	−4.1971e+02	2.2088e+01	−1.1816e+00	2.0970e+02	1.7210e+02
	1.00 0.99	0.96 0.94	0.92 0.91	0.90 0.90	0.90 0.90	0.93 0.97	0.97 0.86	0.72 0.58
^{54}Mn	(pα)^{51}Cr	7.5800e−01	3.0	3.5	0.0100	0.01	1.0e−01	
	−1.5718e+02	−1.3521e+00	−1.9237e+02	3.5446e+02	−2.5548e+01	1.6092e+00	−1.4044e+02	−1.5862e+02
	7.62 9.33	1.37 1.26	1.36 1.47	1.58 1.74	1.90 2.06	2.11 2.17	2.62 3.70	4.83 5.95
^{55}Mn	(pγ)^{56}Fe	1.0184e+01	2.5	0.0	0.0100	0.01	2.4e−02	

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.8533e+02	−6.8020e+00	2.7485e+02	−4.7984e+02	2.7649e+01	−1.5944e+00	2.3009e+02	2.1080e+02
	1.00 1.00	1.00 1.00	0.99 0.99	1.00 0.99	0.99 1.00	1.18 1.30	1.33 1.21	0.97 0.70
^{55}Mn	$(p\alpha)^{52}$Cr	2.5710e+00	2.5	0.0	0.0100	0.01	4.0e−02	
	2.3012e+02	−7.0617e+00	3.1048e+02	−5.7773e+02	3.7112e+01	−2.2821e+00	2.6859e+02	2.3060e+02
	1.00 1.00	1.00 1.01	1.01 1.00	0.99 0.98	0.98 1.00	1.10 1.06	1.17 1.75	2.65 3.62
^{56}Mn	$(p\gamma)^{57}$Fe	1.0559e+01	3.0	0.5	0.0100	0.01	1.9e−02	
	1.1634e+02	−6.4658e+00	2.3295e+02	−3.6818e+02	2.0251e+01	−1.1622e+00	1.8709e+02	1.4128e+02
	0.99 0.96	0.94 0.93	0.94 0.94	0.94 0.94	0.94 0.95	1.00 1.02	1.02 0.98	0.90 0.84
^{56}Mn	$(pn)^{56}$Fe	2.9130e+00	3.0	0.0	0.0100	0.01	2.1e−02	
	1.3580e+02	−6.5749e+00	2.4483e+02	−3.9430e+02	2.1859e+01	−1.2469e+00	1.9842e+02	1.3775e+02
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.92
^{56}Mn	$(p\alpha)^{53}$Cr	3.2390e+00	3.0	1.5	0.0100	0.01	1.9e−02	
	6.4028e+01	−6.3289e+00	2.1701e+02	−2.9856e+02	1.3540e+01	−6.3958e−01	1.6796e+02	6.3283e+01
	1.03 1.12	1.18 1.24	1.29 1.33	1.37 1.41	1.44 1.46	1.61 1.60	1.62 1.86	2.98 5.04
^{57}Mn	$(p\gamma)^{58}$Fe	1.1953e+01	2.5	0.0	0.0100	0.01	1.8e−02	
	1.2963e+02	−6.6317e+00	2.4738e+02	−3.9745e+02	2.1986e+01	−1.2738e+00	2.0018e+02	1.5511e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.98 0.90	0.74 0.56
^{57}Mn	$(pn)^{57}$Fe	1.9080e+00	2.5	0.5	0.0100	0.01	2.2e−02	1
	1.3472e+02	−6.6177e+00	2.4596e+02	−3.9392e+02	2.1646e+01	−1.2231e+00	1.9882e+02	1.3582e+02
^{57}Mn	$(p\alpha)^{54}$Cr	4.3080e+00	2.5	0.0	0.0100	0.01	1.8e−02	
	9.3097e+01	−6.5250e+00	2.3455e+02	−3.4560e+02	1.7102e+01	−8.9030e−01	1.8507e+02	9.3584e+01
	1.00 1.00	1.01 1.02	1.03 1.04	1.05 1.05	1.06 1.06	1.07 1.11	1.16 1.30	1.63 2.21
^{58}Mn	$(p\gamma)^{59}$Fe	1.2045e+01	3.0	1.5	0.0100	0.01	1.9e−02	
	1.2975e+02	−6.6760e+00	2.4893e+02	−3.9880e+02	2.1836e+01	−1.2433e+00	2.0115e+02	1.5399e+02
	1.04 1.06	1.07 1.07	1.08 1.08	1.08 1.08	1.08 1.09	1.07 1.04	1.01 0.91	0.77 0.65
^{58}Mn	$(pn)^{58}$Fe	5.4640e+00	3.0	0.0	0.0100	0.01	2.2e−02	
	1.3571e+02	−6.6727e+00	2.4849e+02	−3.9723e+02	2.1719e+01	−1.2214e+00	2.0064e+02	1.3766e+02
	1.04 1.05	1.06 1.07	1.07 1.08	1.08 1.08	1.08 1.08	1.07 1.06	1.05 1.03	1.02 0.99
^{58}Mn	$(p\alpha)^{55}$Cr	4.0650e+00	3.0	1.5	0.0100	0.01	2.1e−02	
	7.9400e+01	−6.4926e+00	2.2777e+02	−3.2371e+02	1.4932e+01	−7.0166e−01	1.7759e+02	7.8653e+01
	1.05 1.07	1.08 1.09	1.10 1.12	1.13 1.14	1.15 1.16	1.26 1.35	1.43 1.62	2.19 4.28
^{49}Fe	$(p\gamma)^{50}$Co	9.2500e−01	3.5	4.0	0.2750	0.01	3.4e−02	0
	2.0774e+02	−6.5430e+00	2.6356e+02	−4.9546e+02	3.0085e+01	−1.7650e+00	2.2773e+02	2.3130e+02
^{50}Fe	$(p\gamma)^{51}$Co	1.3690e+00	0.0	3.5	0.2750	0.01	5.0e−02	0
	1.5234e+02	−6.0887e+00	2.1386e+02	−3.8606e+02	2.4077e+01	−1.5204e+00	1.8116e+02	1.7393e+02
^{51}Fe	$(p\gamma)^{52}$Co	1.5500e+00	2.5	1.0	0.1000	0.01	2.4e−02	0
	2.2132e+02	−6.8991e+00	2.9051e+02	−5.3750e+02	3.2094e+01	−1.8442e+00	2.4941e+02	2.4569e+02
^{52}Fe	$(p\gamma)^{53}$Co	1.5990e+00	0.0	3.5	0.0700	0.01	2.0e−02	
	1.8177e+02	−6.8393e+00	2.7692e+02	−4.8235e+02	2.7314e+01	−1.5366e+00	2.3228e+02	2.0337e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.06 1.14	1.19 1.19	1.14 1.01
^{53}Fe	$(p\gamma)^{54}$Co	4.3530e+00	3.5	0.0	0.0100	0.01	3.1e−02	
	2.1170e+02	−6.8923e+00	2.8360e+02	−5.2013e+02	3.1059e+01	−1.8099e+00	2.4228e+02	2.3745e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.97	0.92 0.79	0.62 0.45
^{54}Fe	$(p\gamma)^{55}$Co	5.0640e+00	0.0	3.5	0.0150	0.01	1.9e−02	
	1.9325e+02	−6.9864e+00	2.8519e+02	−5.0024e+02	2.9073e+01	−1.6860e+00	2.3923e+02	2.1485e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.92	0.72 0.51
^{55}Fe	$(p\gamma)^{56}$Co	5.8490e+00	1.5	4.0	0.0100	0.01	1.5e−02	
	1.6278e+02	−6.9158e+00	2.7159e+02	−4.5170e+02	2.4553e+01	−1.3614e+00	2.2318e+02	1.8564e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.94	0.88 0.73	0.58 0.43
^{56}Fe	$(p\gamma)^{57}$Co	6.0280e+00	0.0	3.5	0.0100	0.01	1.6e−02	
	1.7560e+02	−7.0189e+00	2.8001e+02	−4.7493e+02	2.6839e+01	−1.5423e+00	2.3159e+02	1.9720e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.01 0.97	0.77 0.52
^{57}Fe	$(p\gamma)^{58}$Co	6.9550e+00	0.5	2.0	0.0100	0.01	9.2e−03	
	1.7699e+02	−7.1750e+00	2.9071e+02	−4.8553e+02	2.5855e+01	−1.3697e+00	2.3917e+02	1.9975e+02
	1.02 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.01 1.01	0.88 0.73	0.64 0.54	0.48 0.40
^{57}Fe	$(p\alpha)^{54}$Mn	2.4000e−01	0.5	3.0	0.0100	0.01	3.0e−01	
	−5.8865e+02	1.0567e+01	−1.1248e+03	1.7753e+03	−1.0508e+02	5.9679e+00	−8.3722e+02	−5.9121e+02
	2.16 2.10	2.14 2.20	2.05 1.78	1.54 1.40	1.36 1.38	2.30 3.34	4.51 7.29	10.43 12.80
^{58}Fe	$(p\gamma)^{59}$Co	7.3640e+00	0.0	3.5	0.0100	0.01	2.0e−02	
	1.4765e+02	−6.9535e+00	2.6531e+02	−4.2772e+02	2.2678e+01	−1.2747e+00	2.1511e+02	1.6925e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.96	0.86 0.58	0.36 0.20

Target	Reaction		Q		J_i		J_f		$T_\mathrm{low}^\mathrm{HF}$		$T_\mathrm{low}^\mathrm{fit}$		Dev		SEF	
	a_0		a_1		a_2		a_3		a_4		a_5		a_6		a_0^rev	
T_9^SEF:	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	2.0	3.0	4.0	6.0	8.0	10.0
^{58}Fe	(pα)^{55}Mn		4.2200e−01		0.0		2.5		0.0100		0.01		5.1e−01			
	−4.4918e+02		8.2689e+00		−9.3197e+02		1.4300e+03		−8.4943e+01		4.8812e+00		−6.7907e+02		−4.5228e+02	
	1.00	1.00	1.00	1.00	1.01	1.04	1.10	1.21	1.37	1.53	2.44	3.41	5.20	7.83	9.47	11.40
^{59}Fe	(pγ)^{60}Co		8.2750e+00		1.5		5.0		0.0100		0.01		1.0e−02			
	1.0138e+02		−6.7445e+00		2.3527e+02		−3.5339e+02		1.8668e+01		−1.0606e+00		1.8391e+02		1.2404e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.98	0.97	0.96	0.89	0.74	0.53
^{59}Fe	(pn)^{59}Co		7.8300e−01		1.5		3.5		0.0100		0.01		2.3e−02			1
	1.3928e+02		−6.9007e+00		2.5721e+02		−4.1079e+02		2.2501e+01		−1.2675e+00		2.0749e+02		1.3859e+02	
^{59}Fe	(pα)^{56}Mn		1.1120e+00		1.5		3.0		0.0100		0.01		2.2e−01			
	−3.7040e+02		−3.8696e−01		−3.3411e+02		7.3391e+02		−5.5048e+01		3.5777e+00		−2.8578e+02		−3.7227e+02	
	1.00	1.00	1.00	1.01	1.02	1.06	1.11	1.17	1.25	1.33	2.12	2.64	3.16	4.50	6.30	9.33
^{60}Fe	(pγ)^{61}Co		8.7770e+00		0.0		3.5		0.0100		0.01		6.9e−02			
	2.1409e+02		−7.0055e+00		2.7719e+02		−5.1837e+02		3.3721e+01		−2.1299e+00		2.3694e+02		2.3569e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.92	0.88	0.81	0.66	0.44
^{60}Fe	(pα)^{57}Mn		9.4200e−01		0.0		2.5		0.0100		0.01		3.4e−01			
	−5.0712e+02		9.8491e−01		−4.7065e+02		1.0216e+03		−7.3919e+01		4.7197e+00		−4.0934e+02		−5.1022e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.03	1.06	1.11	2.27	3.33	4.21	6.43	10.59	16.00
^{49}Co	(pγ)^{50}Ni		7.3200e−01		1.5		0.0		n.c.		0.01		3.9e−02			0
	2.0997e+02		−6.6355e+00		2.6387e+02		−5.0056e+02		3.0844e+01		−1.8348e+00		2.2871e+02		2.3503e+02	
^{50}Co	(pγ)^{51}Ni		9.5500e−01		4.0		1.5		0.7900		0.01		3.7e−02			0
	1.8497e+02		−6.5546e+00		2.5011e+02		−4.5828e+02		2.7453e+01		−1.6097e+00		2.1360e+02		2.0945e+02	
^{51}Co	(pγ)^{52}Ni		2.1720e+00		3.5		0.0		1.3700		0.01		3.8e−02			0
	1.2816e+02		−6.0852e+00		1.9824e+02		−3.4572e+02		2.0846e+01		−1.2620e+00		1.6501e+02		1.5392e+02	
^{52}Co	(pγ)^{53}Ni		2.6110e+00		1.0		3.5		0.4500		0.01		2.3e−02			0
	2.0222e+02		−7.0594e+00		2.8979e+02		−5.1508e+02		2.9362e+01		−1.6583e+00		2.4486e+02		2.2491e+02	
^{53}Co	(pγ)^{54}Ni		3.8560e+00		3.5		0.0		1.3300		0.01		3.0e−02			0
	2.2490e+02		−7.1166e+00		2.9618e+02		−5.4852e+02		3.3303e+01		−1.9467e+00		2.5394e+02		2.5065e+02	
^{54}Co	(pγ)^{55}Ni		4.6140e+00		0.0		3.5		0.0900		0.01		2.5e−02			
	2.2542e+02		−7.2828e+00		3.0736e+02		−5.5957e+02		3.3514e+01		−1.9634e+00		2.6170e+02		2.4702e+02	
	1.00	1.00	1.00	1.00	0.99	0.95	0.89	0.82	0.76	0.69	0.39	0.30	0.26	0.24	0.21	0.17
^{55}Co	(pγ)^{56}Ni		7.1650e+00		3.5		0.0		0.1050		0.01		3.4e−02			
	2.2631e+02		−7.2089e+00		2.9934e+02		−5.5341e+02		3.3683e+01		−1.9915e+00		2.5617e+02		2.5207e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.83	0.59
^{56}Co	(pγ)^{57}Ni		7.3290e+00		4.0		1.5		0.0150		0.01		1.1e−02			
	1.6955e+02		−7.2193e+00		2.8705e+02		−4.7490e+02		2.5246e+01		−1.3542e+00		2.3537e+02		1.9404e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.91	0.83	0.69	0.56	0.42
^{57}Co	(pγ)^{58}Ni		8.1720e+00		3.5		0.0		0.0200		0.01		1.6e−02			
	1.6701e+02		−7.2020e+00		2.8300e+02		−4.6841e+02		2.5515e+01		−1.4283e+00		2.3186e+02		1.9277e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.95	0.79	0.57	0.37
^{57}Co	(pα)^{54}Fe		1.7720e+00		3.5		0.0		0.0200		0.01		1.7e−02			
	3.9747e+01		−6.0654e+00		1.6324e+02		−2.2046e+02		8.6398e+00		−3.4584e−01		1.3146e+02		4.0522e+01	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.06	1.25	1.55	2.74	4.33	5.47
^{58}Co	(pγ)^{59}Ni		8.5990e+00		2.0		1.5		0.0100		0.01		2.7e−02			
	1.6997e+02		−7.3750e+00		2.9486e+02		−4.8343e+02		2.5837e+01		−1.4080e+00		2.4037e+02		1.9388e+02	
	0.98	1.08	1.23	1.61	1.97	2.25	2.47	2.61	2.72	2.79	2.89	2.87	2.74	2.20	1.57	1.03
^{58}Co	(pα)^{55}Fe		2.4980e+00		2.0		1.5		0.0100		0.01		1.0e−02			
	2.0914e+02		−7.9184e+00		3.5140e+02		−5.9624e+02		3.4558e+01		−1.9829e+00		2.9220e+02		2.0806e+02	
	0.91	0.74	0.80	1.01	1.19	1.32	1.41	1.45	1.48	1.49	1.26	0.96	0.99	1.44	2.05	2.72
^{59}Co	(pγ)^{60}Ni		9.5340e+00		3.5		0.0		0.0100		0.01		1.6e−02			
	1.5248e+02		−7.2391e+00		2.7892e+02		−4.4715e+02		2.3158e+01		−1.2483e+00		2.2564e+02		1.7824e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.91	0.70	0.48	0.30
^{59}Co	(pα)^{56}Fe		3.2420e+00		3.5		0.0		0.0100		0.01		5.3e−03			
	2.3417e+02		−7.9974e+00		3.5962e+02		−6.2747e+02		3.6346e+01		−2.0330e+00		3.0226e+02		2.3494e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.24	2.01	2.75	3.20
^{60}Co	(pγ)^{61}Ni		9.8620e+00		5.0		1.5		0.0100		0.01		2.1e−02			
	1.6164e+02		−7.0594e+00		2.6282e+02		−4.4602e+02		2.6418e+01		−1.5759e+00		2.1591e+02		1.8634e+02	
	1.00	0.98	0.96	0.92	0.90	0.87	0.85	0.83	0.81	0.78	0.65	0.64	0.66	0.66	0.57	0.44
^{60}Co	(pn)^{60}Ni		2.0420e+00		5.0		0.0		0.0100		0.01		3.4e−02			1
	1.5936e+02		−7.2361e+00		2.7852e+02		−4.5552e+02		2.5514e+01		−1.4582e+00		2.2697e+02		1.6176e+02	
^{60}Co	(pα)^{57}Fe		3.3960e+00		5.0		0.5		0.0100		0.01		2.5e−02			
	1.1153e+01		−6.2240e+00		1.7180e+02		−1.9388e+02		7.2320e+00		−3.4884e−01		1.2370e+02		1.1548e+01	

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.00 0.99	0.96 0.95	0.94 0.95	0.97 0.99	1.04 1.09	2.00 2.41	2.53 2.57	2.68 2.98
^{61}Co	(pγ)^{62}Ni	1.1137e+01	3.5	0.0	0.0100	0.01	2.5e−02	
	1.3661e+02	−6.9567e+00	2.4824e+02	−4.0575e+02	2.3666e+01	−1.4368e+00	2.0078e+02	1.6237e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.86	0.65 0.43
^{61}Co	(pn)^{61}Ni	5.4000e−01	3.5	1.5	0.0100	0.01	2.5e−02	1
	1.4519e+02	−7.1990e+00	2.6986e+02	−4.3080e+02	2.3666e+01	−1.3379e+00	2.1739e+02	1.4588e+02
^{61}Co	(pα)^{58}Fe	4.1180e+00	3.5	0.0	0.0100	0.01	2.5e−02	
	7.4718e+01	−6.8377e+00	2.3081e+02	−3.2450e+02	1.6175e+01	−8.8331e−01	1.7812e+02	7.5487e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.03 1.16	1.39 1.86	2.27 3.41
^{62}Co	(pγ)^{63}Ni	1.1370e+01	2.0	0.5	0.0100	0.01	1.7e−02	
	1.4745e+02	−7.2222e+00	2.7152e+02	−4.4158e+02	2.4724e+01	−1.3956e+00	2.2030e+02	1.7204e+02
	1.41 1.79	1.88 1.87	1.84 1.80	1.76 1.72	1.68 1.65	1.40 1.29	1.26 1.39	1.61 1.65
^{62}Co	(pn)^{62}Ni	4.5320e+00	2.0	0.0	0.0100	0.01	2.3e−02	
	1.4726e+02	−7.2615e+00	2.7296e+02	−4.3623e+02	2.4155e+01	−1.3906e+00	2.1975e+02	1.4887e+02
	1.01 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.89 0.70
^{62}Co	(pα)^{59}Fe	4.0950e+00	2.0	1.5	0.0100	0.01	1.7e−02	
	1.1861e+02	−7.2771e+00	2.7265e+02	−4.1588e+02	2.2546e+01	−1.2494e+00	2.1668e+02	1.1752e+02
	0.91 0.76	0.69 0.65	0.63 0.62	0.61 0.60	0.60 0.59	0.68 0.92	1.29 2.84	6.25 9.87
^{56}Ni	(pγ)^{57}Cu	6.9500e−01	0.0	1.5	0.1800	0.01	3.4e−02	
	2.2647e+02	−7.4255e+00	3.0661e+02	−5.6148e+02	3.3852e+01	−1.9717e+00	2.6124e+02	2.4876e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.90 0.71
^{57}Ni	(pγ)^{58}Cu	2.8740e+00	1.5	1.0	0.0200	0.01	3.0e−02	
	2.2738e+02	−7.4875e+00	3.0962e+02	−5.6528e+02	3.3797e+01	−1.9674e+00	2.6343e+02	2.5135e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.94	0.89 0.81	0.68 0.50
^{58}Ni	(pγ)^{59}Cu	3.4180e+00	0.0	1.5	0.0200	0.01	2.0e−02	
	2.0180e+02	−7.5760e+00	3.0942e+02	−5.3525e+02	3.0714e+01	−1.7705e+00	2.5764e+02	2.2409e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.97 0.85	0.63 0.41
^{59}Ni	(pγ)^{60}Cu	4.4790e+00	1.5	2.0	0.0100	0.01	1.3e−02	
	1.7361e+02	−7.5312e+00	2.9819e+02	−4.9155e+02	2.6425e+01	−1.4396e+00	2.4367e+02	1.9706e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.96 0.90	0.85 0.75	0.63 0.47
^{60}Ni	(pγ)^{61}Cu	4.8010e+00	0.0	1.5	0.0100	0.01	1.6e−02	
	1.8496e+02	−7.6074e+00	3.0417e+02	−5.1076e+02	2.8669e+01	−1.6365e+00	2.5005e+02	2.0726e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.98 0.89	0.69 0.45
^{61}Ni	(pγ)^{62}Cu	5.8670e+00	1.5	1.0	0.0100	0.01	1.7e−02	
	1.6195e+02	−7.5409e+00	2.9246e+02	−4.7217e+02	2.5036e+01	−1.3748e+00	2.3688e+02	1.8592e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.99 0.96	0.90 0.76	0.59 0.40
^{61}Ni	(pα)^{58}Co	4.8900e−01	1.5	2.0	0.0100	0.01	3.7e−01	0
	−6.1189e+02	1.0535e+01	−1.1535e+03	1.8327e+03	−1.0922e+02	6.2307e+00	−8.6228e+02	−6.1343e+02
^{62}Ni	(pγ)^{63}Cu	6.1230e+00	0.0	1.5	0.0100	0.01	1.9e−02	
	1.8261e+02	−7.6765e+00	3.0489e+02	−5.0857e+02	2.8805e+01	−1.6920e+00	2.4969e+02	2.0490e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.87	0.58 0.30
^{62}Ni	(pα)^{59}Co	3.4600e−01	0.0	3.5	0.0100	0.01	2.8e−01	
	−5.8195e+02	1.2041e+01	−1.2385e+03	1.8865e+03	−1.1103e+02	6.3325e+00	−9.0268e+02	−5.8534e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.04	1.09 1.16	3.06 5.16	7.26 13.52	20.17 23.18
^{63}Ni	(pγ)^{64}Cu	7.2010e+00	0.5	1.0	0.0100	0.01	5.4e−02	
	1.4850e+02	−7.1666e+00	2.5524e+02	−4.2281e+02	2.4366e+01	−1.4477e+00	2.0768e+02	1.7177e+02
	1.00 1.00	0.99 0.98	0.98 0.98	1.02 1.10	1.23 1.41	2.66 2.15	1.66 1.15	0.79 0.48
^{63}Ni	(pα)^{60}Co	1.0000e+00	0.5	5.0	0.0100	0.01	3.2e−01	0
	−4.2482e+02	−7.9520e−01	−3.4973e+02	8.0649e+02	−5.9272e+01	3.7625e+00	−3.1228e+02	−4.2784e+02
^{64}Ni	(pγ)^{65}Cu	7.4520e+00	0.0	1.5	0.0100	0.01	2.3e−02	
	1.4955e+02	−7.5888e+00	2.8757e+02	−4.5304e+02	2.3591e+01	−1.3325e+00	2.3037e+02	1.7185e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.90 0.64	0.34 0.15
^{64}Ni	(pα)^{61}Co	6.6300e−01	0.0	3.5	0.0100	0.01	4.5e−01	
	−5.5722e+02	1.0577e+01	−1.1546e+03	1.7707e+03	−1.0040e+02	5.5267e+00	−8.5236e+02	−5.6062e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.00	1.00 1.00	1.27 3.14	5.81 12.95	22.74 29.61
^{55}Cu	(pγ)^{56}Zn	1.0380e+00	0.5	0.0	n.c.	0.01	2.7e−02	0
	2.2599e+02	−7.5951e+00	3.1506e+02	−5.6988e+02	3.3250e+01	−1.9076e+00	2.6751e+02	2.5036e+02
^{56}Cu	(pγ)^{57}Zn	1.5200e+00	3.0	3.5	1.2300	0.01	2.2e−02	0
	2.2888e+02	−7.7350e+00	3.2438e+02	−5.8112e+02	3.3446e+01	−1.8873e+00	2.7433e+02	2.5243e+02
^{57}Cu	(pγ)^{58}Zn	2.2770e+00	1.5	0.0	2.3050	0.01	2.6e−02	0
	2.1386e+02	−7.5670e+00	3.0544e+02	−5.4676e+02	3.2197e+01	−1.8613e+00	2.5773e+02	2.3893e+02

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{58}Cu	$(p\gamma)^{59}$Zn	2.8870e+00	1.0	1.5	0.2450	0.01	1.6e−02	
	2.1316e+02	−7.8272e+00	3.2402e+02	−5.6276e+02	3.1784e+01	−1.7903e+00	2.7040e+02	2.3655e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.93 0.88	0.82 0.67	0.48 0.32
^{59}Cu	$(p\gamma)^{60}$Zn	5.1210e+00	1.5	0.0	0.1750	0.01	3.3e−02	
	2.3079e+02	−7.8003e+00	3.2305e+02	−5.8280e+02	3.4646e+01	−2.0401e+00	2.7334e+02	2.5586e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.97 0.91	0.84 0.65	0.43 0.26
^{59}Cu	$(p\alpha)^{56}$Ni	2.4130e+00	1.5	0.0	0.1750	0.01	7.5e−02	
	2.2111e+02	−7.4217e+00	2.9539e+02	−5.5128e+02	3.6412e+01	−2.3387e+00	2.5468e+02	2.2119e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.06 1.20	1.34 1.46	1.36 1.21
^{60}Cu	$(p\gamma)^{61}$Zn	5.2900e+00	2.0	1.5	0.0200	0.01	1.2e−02	
	1.7924e+02	−7.7852e+00	3.0961e+02	−5.0941e+02	2.7160e+01	−1.4700e+00	2.5281e+02	2.0314e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.87 0.76	0.68 0.56	0.45 0.32
^{60}Cu	$(p\alpha)^{57}$Ni	2.5980e+00	2.0	1.5	0.0200	0.01	8.5e−03	
	2.2303e+02	−8.2944e+00	3.6618e+02	−6.2365e+02	3.5047e+01	−1.9559e+00	3.0609e+02	2.2195e+02
	1.00 1.01	1.04 1.07	1.10 1.12	1.15 1.15	1.17 1.19	1.23 1.26	1.35 1.54	1.68 1.82
^{61}Cu	$(p\gamma)^{62}$Zn	6.4770e+00	1.5	0.0	0.0300	0.01	1.5e−02	
	1.7638e+02	−7.7854e+00	3.0684e+02	−5.0363e+02	2.7183e+01	−1.5152e+00	2.5010e+02	2.0145e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.94	0.85 0.62	0.40 0.24
^{61}Cu	$(p\alpha)^{58}$Ni	3.1080e+00	1.5	0.0	0.0300	0.01	1.3e−02	
	2.0529e+02	−8.1020e+00	3.4273e+02	−5.7838e+02	3.2650e+01	−1.8360e+00	2.8438e+02	2.0536e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.06 1.14	1.23 1.48	1.72 1.86
^{62}Cu	$(p\gamma)^{63}$Zn	6.7040e+00	1.0	1.5	0.0100	0.01	1.4e−02	
	1.6806e+02	−7.8078e+00	3.0481e+02	−4.9179e+02	2.5919e+01	−1.4076e+00	2.4674e+02	1.9145e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.93 0.84	0.78 0.69	0.55 0.38
^{62}Cu	$(p\alpha)^{59}$Ni	3.2210e+00	1.0	1.5	0.0100	0.01	6.7e−03	
	1.9001e+02	−8.1862e+00	3.4452e+02	−5.6210e+02	3.0062e+01	−1.6122e+00	2.8234e+02	1.8841e+02
	1.01 1.01	1.02 1.02	1.03 1.03	1.04 1.06	1.07 1.08	1.12 1.17	1.28 1.50	1.63 1.66
^{63}Cu	$(p\gamma)^{64}$Zn	7.7130e+00	1.5	0.0	0.0100	0.01	1.8e−02	
	1.6767e+02	−7.8138e+00	3.0298e+02	−4.8984e+02	2.6424e+01	−1.5032e+00	2.4520e+02	1.9273e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.95	0.87 0.62	0.35 0.18
^{63}Cu	$(p\alpha)^{60}$Ni	3.7570e+00	1.5	0.0	0.0100	0.01	1.7e−02	
	1.7455e+02	−7.9680e+00	3.2039e+02	−5.1946e+02	2.8171e+01	−1.5610e+00	2.6111e+02	1.7462e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.07	1.12 1.16	1.15 1.12
^{64}Cu	$(p\gamma)^{65}$Zn	7.7760e+00	1.0	2.5	0.0100	0.01	2.5e−02	
	1.7044e+02	−7.8480e+00	3.0286e+02	−4.9559e+02	2.7893e+01	−1.6279e+00	2.4518e+02	1.9343e+02
	1.00 1.00	1.00 1.00	1.02 1.03	1.04 1.05	1.06 1.06	1.43 1.58	1.43 1.04	0.68 0.40
^{64}Cu	$(p\alpha)^{61}$Ni	3.6600e+00	1.0	1.5	0.0100	0.01	2.9e−02	
	1.3540e+02	−7.7501e+00	2.9242e+02	−4.5084e+02	2.4188e+01	−1.3666e+00	2.3301e+02	1.3380e+02
	1.00 1.00	1.00 1.02	1.05 1.08	1.11 1.13	1.17 1.22	1.66 1.52	1.49 1.59	1.70 1.67
^{65}Cu	$(p\gamma)^{66}$Zn	8.9260e+00	1.5	0.0	0.0100	0.01	1.9e−02	
	1.4431e+02	−7.8002e+00	2.9336e+02	−4.5270e+02	2.2274e+01	−1.1656e+00	2.3328e+02	1.6938e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.95	0.85 0.53	0.28 0.15
^{65}Cu	$(p\alpha)^{62}$Ni	4.3480e+00	1.5	0.0	0.0100	0.01	9.4e−03	
	1.8600e+02	−8.1855e+00	3.3455e+02	−5.4409e+02	2.8657e+01	−1.4844e+00	2.7240e+02	1.8607e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.96 1.07	1.22 1.23
^{66}Cu	$(p\gamma)^{67}$Zn	8.9120e+00	1.0	2.5	0.0100	0.01	1.8e−02	
	1.6594e+02	−7.9713e+00	3.0934e+02	−4.9914e+02	2.7451e+01	−1.5702e+00	2.4957e+02	1.8893e+02
	1.00 1.00	1.00 1.02	1.06 1.12	1.19 1.27	1.34 1.38	1.27 1.08	0.96 0.74	0.52 0.33
^{66}Cu	$(pn)^{66}$Zn	1.8600e+00	1.0	0.0	0.0100	0.01	2.4e−02	1
	1.5368e+02	−7.8153e+00	2.9390e+02	−4.6507e+02	2.5250e+01	−1.4086e+00	2.3536e+02	1.5478e+02
^{66}Cu	$(p\alpha)^{63}$Ni	4.1190e+00	1.0	0.5	0.0100	0.01	1.9e−02	
	1.1974e+02	−7.7662e+00	2.8788e+02	−4.2963e+02	2.1566e+01	−1.1357e+00	2.2709e+02	1.1883e+02
	1.00 1.00	1.00 1.01	1.02 1.03	1.04 1.04	1.06 1.05	1.02 1.03	1.05 1.12	1.29 1.65
^{61}Zn	$(p\gamma)^{62}$Ga	2.9430e+00	1.5	0.0	0.0100	0.01	2.4e−02	
	2.4614e+02	−8.2486e+00	3.4946e+02	−6.2615e+02	3.6720e+01	−2.1220e+00	2.9477e+02	2.7121e+02
	1.00 1.00	1.00 1.00	0.99 0.98	0.97 0.96	0.95 0.94	0.89 0.85	0.80 0.68	0.50 0.31
^{61}Zn	$(p\alpha)^{58}$Cu	1.8200e−01	1.5	1.0	0.0100	0.01	2.3e−01	
	−6.3269e+02	1.3400e+01	−1.3612e+03	2.0594e+03	−1.1721e+02	6.4579e+00	−9.9412e+02	−6.3371e+02
	1.06 1.29	1.50 1.64	1.71 1.72	1.72 1.72	1.71 1.71	1.97 2.81	4.30 8.94	13.94 16.92
^{62}Zn	$(p\gamma)^{63}$Ga	2.8110e+00	0.0	1.5	0.0200	0.01	1.8e−02	
	2.1086e+02	−8.1576e+00	3.3303e+02	−5.6962e+02	3.2385e+01	−1.8617e+00	2.7560e+02	2.3315e+02

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.94 0.79	0.56 0.33
^{62}Zn	(pα)^{59}Cu	4.8000e−02	0.0	1.5	0.0200	0.01	1.5e−01	
	−4.9736e+02	1.1671e+01	−1.1959e+03	1.7435e+03	−9.8973e+01	5.4521e+00	−8.4898e+02	−5.0006e+02
	1.00 1.00	1.00 1.00	1.01 1.03	1.08 1.16	1.26 1.37	2.69 4.41	6.65 11.90	16.23 17.94
^{63}Zn	(pγ)^{64}Ga	3.9150e+00	1.5	0.0	0.0100	0.01	1.4e−02	
	1.9051e+02	−8.1515e+00	3.2644e+02	−5.3924e+02	2.9165e+01	−1.6122e+00	2.6653e+02	2.1558e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.93 0.84	0.76 0.59	0.42 0.25
^{63}Zn	(pα)^{60}Cu	9.9600e−01	1.5	2.0	0.0100	0.01	5.7e−01	
	−7.8762e+02	1.2825e+01	−1.3936e+03	2.2722e+03	−1.3413e+02	7.5841e+00	−1.0678e+03	−7.8916e+02
	1.00 1.00	1.03 1.10	1.20 1.30	1.39 1.46	1.53 1.59	2.21 3.30	4.74 7.67	9.37 9.42
^{64}Zn	(pγ)^{65}Ga	3.9420e+00	0.0	1.5	0.0100	0.01	1.7e−02	
	2.0088e+02	−8.2195e+00	3.3152e+02	−5.5644e+02	3.1308e+01	−1.8053e+00	2.7204e+02	2.2318e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.96 0.82	0.55 0.29
^{64}Zn	(pα)^{61}Cu	8.4400e−01	0.0	1.5	0.0100	0.01	6.8e−01	
	−8.1093e+02	1.2815e+01	−1.3977e+03	2.3016e+03	−1.3738e+02	7.8233e+00	−1.0747e+03	−8.1363e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.03 1.06	1.88 3.14	4.81 8.83	11.50 11.49
^{65}Zn	(pγ)^{66}Ga	5.1020e+00	2.5	0.0	0.0100	0.01	1.6e−02	
	1.8479e+02	−8.1974e+00	3.2450e+02	−5.3050e+02	2.8807e+01	−1.6231e+00	2.6354e+02	2.1026e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.92 0.84	0.76 0.58	0.37 0.20
^{65}Zn	(pα)^{62}Cu	1.7500e+00	2.5	1.0	0.0100	0.01	2.6e−02	
	6.8153e+01	−7.0544e+00	2.0666e+02	−2.9688e+02	1.3487e+01	−6.9372e−01	1.6834e+02	6.7530e+01
	1.00 1.03	1.09 1.17	1.25 1.30	1.33 1.35	1.36 1.36	1.50 2.04	2.81 4.50	5.55 5.17
^{66}Zn	(pγ)^{67}Ga	5.2690e+00	0.0	1.5	0.0100	0.01	1.7e−02	
	1.9816e+02	−8.2900e+00	3.3213e+02	−5.5382e+02	3.1433e+01	−1.8473e+00	2.7148e+02	2.2046e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 0.88	0.55 0.25
^{66}Zn	(pα)^{63}Cu	1.5440e+00	0.0	1.5	0.0100	0.01	1.4e−02	
	2.0841e+00	−6.3978e+00	1.4344e+02	−1.6064e+02	4.0290e+00	−1.2498e−01	1.1198e+02	−6.1874e−01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.42 2.23	3.15 4.61	5.18 5.18
^{67}Zn	(pγ)^{68}Ga	6.4950e+00	2.5	1.0	0.0100	0.01	1.4e−02	
	1.8500e+02	−8.3292e+00	3.3081e+02	−5.3651e+02	2.8482e+01	−1.5585e+00	2.6768e+02	2.0938e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.85 0.73	0.64 0.48	0.31 0.17
^{67}Zn	(pα)^{64}Cu	2.4080e+00	2.5	1.0	0.0100	0.01	2.7e−02	
	2.6676e+02	−9.1059e+00	4.1849e+02	−7.3048e+02	4.3472e+01	−2.5730e+00	3.5242e+02	2.6613e+02
	1.00 1.01	1.03 1.08	1.15 1.20	1.23 1.25	1.25 1.23	1.28 1.81	2.35 3.61	5.02 4.96
^{68}Zn	(pγ)^{69}Ga	6.6060e+00	0.0	1.5	0.0100	0.01	2.3e−02	
	1.8026e+02	−8.2502e+00	3.2127e+02	−5.2286e+02	2.9344e+01	−1.7714e+00	2.5981e+02	2.0255e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.95 0.65	0.29 0.09
^{68}Zn	(pα)^{65}Cu	2.1200e+00	0.0	1.5	0.0100	0.01	2.2e−02	
	−4.9928e+01	−6.4116e+00	1.2255e+02	−7.6379e+01	−4.8579e+00	6.4919e−01	8.2547e+01	−5.2633e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.17 1.42	1.51 1.89	3.34 5.18
^{69}Zn	(pγ)^{70}Ga	7.7790e+00	0.5	1.0	0.0100	0.01	1.8e−02	
	1.3596e+02	−8.1201e+00	2.9942e+02	−4.5595e+02	2.3644e+01	−1.3146e+00	2.3519e+02	1.5924e+02
	1.00 1.00	1.00 1.00	1.00 1.02	1.03 1.07	1.12 1.17	1.44 1.29	1.11 0.75	0.45 0.24
^{69}Zn	(pn)^{69}Ga	1.2400e−01	0.5	1.5	0.0100	0.01	2.6e−02	1
	1.6182e+02	−8.1648e+00	3.0892e+02	−4.8948e+02	2.6577e+01	−1.4755e+00	2.4716e+02	1.6112e+02
^{69}Zn	(pα)^{66}Cu	2.7040e+00	0.5	1.0	0.0100	0.01	2.2e−02	
	−7.8599e+01	−6.1867e+00	9.2132e+01	−1.8902e+01	−5.9569e+00	5.5676e−01	5.3484e+01	−8.0324e+01
	1.00 1.00	1.00 1.00	1.01 1.01	1.03 1.06	1.09 1.13	1.53 1.99	2.59 4.23	5.92 7.18
^{70}Zn	(pγ)^{71}Ga	7.8640e+00	0.0	1.5	0.0100	0.01	1.3e−02	
	2.2288e+02	−8.6893e+00	3.6048e+02	−6.0905e+02	3.3985e+01	−1.9209e+00	2.9593e+02	2.4518e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.97 0.87	0.73 0.50	0.28 0.13
^{70}Zn	(pα)^{67}Cu	2.6050e+00	0.0	1.5	0.0100	0.01	3.8e−02	
	2.5047e+02	−8.9368e+00	3.9433e+02	−6.8784e+02	4.0961e+01	−2.3891e+00	3.3100e+02	2.4776e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.08 1.33	1.66 2.62	4.63 7.09
^{58}Ga	(pγ)^{59}Ge	5.5000e−02	3.0	3.5	n.c.	0.01	3.4e−02	0
	2.4050e+02	−8.0566e+00	3.3225e+02	−6.0481e+02	3.5839e+01	−2.0712e+00	2.8225e+02	2.6405e+02
^{59}Ga	(pγ)^{60}Ge	8.9000e−01	0.5	0.0	n.c.	0.01	3.0e−02	0
	2.3392e+02	−8.1923e+00	3.3963e+02	−6.0459e+02	3.5016e+01	−2.0203e+00	2.8595e+02	2.5829e+02
^{60}Ga	(pγ)^{61}Ge	1.4780e+00	1.0	1.5	1.0250	0.01	2.1e−02	0
	2.4097e+02	−8.3725e+00	3.5302e+02	−6.2403e+02	3.5485e+01	−1.9900e+00	2.9648e+02	2.6436e+02
^{61}Ga	(pγ)^{62}Ge	2.4270e+00	1.5	0.0	1.5550	0.01	2.2e−02	0

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	2.5671e+02	−8.4664e+00	3.6085e+02	−6.5097e+02	3.9337e+01	−2.3778e+00	3.0500e+02	2.8178e+02
^{61}Ga	(pα)^{58}Zn	1.1150e+00	1.5	0.0	1.5550	0.01	2.1e−01	0
	−4.8971e+02	2.6954e+00	−6.2936e+02	1.1611e+03	−7.3302e+01	4.2402e+00	−5.0911e+02	−4.8963e+02
^{62}Ga	(pγ)^{63}Ge	3.3150e+00	0.0	0.5	0.0400	0.01	1.6e−02	0
	2.0272e+02	−8.3013e+00	3.3517e+02	−5.6207e+02	3.0386e+01	−1.6617e+00	2.7544e+02	2.2571e+02
^{62}Ga	(pα)^{59}Zn	1.8350e+00	0.0	1.5	0.0400	0.01	5.8e−02	0
	3.2067e+02	−1.1008e+01	5.7037e+02	−9.4635e+02	5.3810e+01	−3.0442e+00	4.6453e+02	3.1797e+02
^{63}Ga	(pγ)^{64}Ge	5.0250e+00	1.5	0.0	0.1100	0.01	3.8e−02	0
	2.4459e+02	−8.4167e+00	3.5036e+02	−6.2617e+02	3.6882e+01	−2.1751e+00	2.9490e+02	2.6966e+02
^{63}Ga	(pα)^{60}Zn	2.3580e+00	1.5	0.0	0.1100	0.01	4.5e−02	0
	1.3507e+02	−7.4754e+00	2.5305e+02	−4.1622e+02	2.6643e+01	−1.7242e+00	2.0425e+02	1.3515e+02
^{64}Ga	(pγ)^{65}Ge	4.8650e+00	0.0	1.5	0.0150	0.01	1.3e−02	0
	2.1836e+02	−8.5468e+00	3.5335e+02	−5.9781e+02	3.2683e+01	−1.8101e+00	2.9118e+02	2.4066e+02
^{64}Ga	(pα)^{61}Zn	2.3720e+00	0.0	1.5	0.0150	0.01	3.7e−02	0
	3.1056e+02	−9.1928e+00	4.3212e+02	−7.8972e+02	4.8267e+01	−2.8582e+00	3.7110e+02	3.0786e+02
^{65}Ga	(pγ)^{66}Ge	6.2570e+00	1.5	0.0	0.0250	0.01	1.6e−02	0
	1.9572e+02	−8.4305e+00	3.3734e+02	−5.5667e+02	3.0396e+01	−1.7107e+00	2.7500e+02	2.2078e+02
^{65}Ga	(pα)^{62}Zn	3.3780e+00	1.5	0.0	0.0250	0.01	1.3e−02	0
	2.4098e+02	−8.8556e+00	3.8506e+02	−6.6126e+02	3.8045e+01	−2.1561e+00	3.2095e+02	2.4105e+02
^{66}Ga	(pγ)^{67}Ge	6.2220e+00	0.0	0.5	0.0100	0.01	1.8e−02	0
	1.8852e+02	−8.4289e+00	3.3356e+02	−5.4438e+02	2.9546e+01	−1.6621e+00	2.7060e+02	2.1151e+02
^{66}Ga	(pα)^{63}Zn	3.3530e+00	0.0	1.5	0.0100	0.01	9.2e−03	0
	2.1453e+02	−8.8204e+00	3.7561e+02	−6.2164e+02	3.4156e+01	−1.8789e+00	3.0893e+02	2.1183e+02
^{67}Ga	(pγ)^{68}Ge	7.3890e+00	1.5	0.0	0.0100	0.01	1.8e−02	
	1.8679e+02	−8.4603e+00	3.3351e+02	−5.4254e+02	2.9543e+01	−1.6820e+00	2.7004e+02	2.1186e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.95 0.90	0.84 0.64	0.38 0.18
^{67}Ga	(pα)^{64}Zn	3.9870e+00	1.5	0.0	0.0100	0.01	1.3e−02	
	1.9799e+02	−8.6813e+00	3.5710e+02	−5.8310e+02	3.1812e+01	−1.7503e+00	2.9120e+02	1.9806e+02
	1.00 1.00	1.00 1.01	1.02 1.03	1.05 1.07	1.08 1.09	1.13 1.15	1.18 1.29	1.42 1.35
^{68}Ga	(pγ)^{69}Ge	7.3000e+00	1.0	2.5	0.0100	0.01	3.0e−02	
	1.8096e+02	−8.3449e+00	3.2096e+02	−5.2408e+02	2.9078e+01	−1.6838e+00	2.5987e+02	2.0395e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.02	1.15 1.25	1.24 0.93	0.55 0.29
^{68}Ga	(pα)^{65}Zn	3.6890e+00	1.0	2.5	0.0100	0.01	1.9e−02	
	1.6567e+02	−8.4159e+00	3.2847e+02	−5.2016e+02	2.7927e+01	−1.5396e+00	2.6485e+02	1.6366e+02
	1.00 1.00	1.00 1.01	1.02 1.04	1.07 1.12	1.16 1.21	1.63 1.76	1.75 1.85	2.14 2.09
^{69}Ga	(pγ)^{70}Ge	8.5290e+00	1.5	0.0	0.0100	0.01	2.4e−02	
	1.6001e+02	−8.3723e+00	3.1715e+02	−4.9548e+02	2.5678e+01	−1.4364e+00	2.5265e+02	1.8508e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.89	0.75 0.43	0.20 0.09
^{69}Ga	(pα)^{66}Zn	4.4400e+00	1.5	0.0	0.0100	0.01	2.0e−02	
	1.4753e+02	−8.4459e+00	3.2405e+02	−4.9164e+02	2.3714e+01	−1.1460e+00	2.5691e+02	1.4759e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.02 1.02	1.09 1.06	0.96 0.82	0.96 1.19
^{70}Ga	(pγ)^{71}Ge	8.2890e+00	1.0	0.5	0.0100	0.01	3.0e−02	
	1.5730e+02	−8.3698e+00	3.1364e+02	−4.9344e+02	2.6661e+01	−1.5212e+00	2.4957e+02	1.8139e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 0.97	0.83 0.57	0.35 0.20
^{70}Ga	(pn)^{70}Ge	8.7300e−01	1.0	0.0	0.0100	0.01	2.6e−02	
	1.6780e+02	−8.4182e+00	3.2007e+02	−5.0779e+02	2.7558e+01	−1.5278e+00	2.5615e+02	1.6889e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.97 0.94
^{70}Ga	(pα)^{67}Zn	3.8360e+00	1.0	2.5	0.0100	0.01	2.6e−02	
	1.0194e+02	−8.2004e+00	2.9438e+02	−4.1880e+02	2.0235e+01	−1.0478e+00	2.2756e+02	9.9928e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.02	1.31 1.71	1.95 2.17	2.43 3.09
^{71}Ga	(pγ)^{72}Ge	9.7400e+00	1.5	0.0	0.0100	0.01	3.2e−02	
	2.9424e+02	−9.1664e+00	4.0163e+02	−7.3225e+02	4.5101e+01	−2.7183e+00	3.3948e+02	3.1931e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.87 0.78	0.75 0.61	0.37 0.19
^{71}Ga	(pα)^{68}Zn	4.7340e+00	1.5	0.0	0.0100	0.01	7.3e−02	
	2.3111e+02	−8.6404e+00	3.5093e+02	−6.1606e+02	3.7268e+01	−2.1826e+00	2.9289e+02	2.3118e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.99 1.07	1.12 1.25	1.77 2.88
^{64}Ge	(pγ)^{65}As	1.2800e−01	0.0	1.5	0.1000	0.01	3.2e−02	0
	2.4401e+02	−8.5920e+00	3.5392e+02	−6.3046e+02	3.7420e+01	−2.1854e+00	2.9716e+02	2.6631e+02
^{65}Ge	(pγ)^{66}As	2.9500e+00	1.5	2.0	0.0100	0.01	1.4e−02	0
	2.7513e+02	−9.0095e+00	3.9070e+02	−7.0124e+02	4.2126e+01	−2.5185e+00	3.2908e+02	2.9859e+02
^{65}Ge	(pα)^{62}Ga	4.5000e−01	1.5	0.0	0.0100	0.01	4.1e−01	0

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	−7.2685e+02	1.5529e+01	−1.5635e+03	2.3692e+03	−1.3196e+02	7.1114e+00	−1.1507e+03	−7.2678e+02
^{66}Ge	(pγ)^{67}As	2.3120e+00	0.0	2.5	0.0150	0.01	1.8e−02	0
	2.3037e+02	−8.8499e+00	3.6743e+02	−6.2778e+02	3.5687e+01	−2.0713e+00	3.0344e+02	2.5226e+02
^{67}Ge	(pγ)^{68}As	3.5120e+00	0.5	3.0	0.0100	0.01	1.8e−02	0
	2.0615e+02	−8.7592e+00	3.5323e+02	−5.8427e+02	3.1877e+01	−1.7850e+00	2.8801e+02	2.2858e+02
^{67}Ge	(pα)^{64}Ga	1.0450e+00	0.5	0.0	0.0100	0.01	7.5e−01	0
	−8.9722e+02	1.4274e+01	−1.5449e+03	2.5450e+03	−1.5095e+02	8.5681e+00	−1.1918e+03	−8.9785e+02
^{68}Ge	(pγ)^{69}As	3.3930e+00	0.0	2.5	0.0100	0.01	2.1e−02	0
	2.2392e+02	−8.8508e+00	3.6158e+02	−6.1332e+02	3.5196e+01	−2.0664e+00	2.9737e+02	2.4581e+02
^{68}Ge	(pα)^{65}Ga	5.4100e−01	0.0	1.5	0.0100	0.01	3.8e−01	0
	−7.7425e+02	1.5909e+01	−1.6049e+03	2.4677e+03	−1.4082e+02	7.7539e+00	−1.1882e+03	−7.7696e+02
^{69}Ge	(pγ)^{70}As	4.5360e+00	2.5	0.0	0.0100	0.01	2.0e−02	
	1.8576e+02	−8.7126e+00	3.4113e+02	−5.4919e+02	2.9520e+01	−1.6630e+00	2.7490e+02	2.1124e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.94 0.87	0.78 0.54	0.31 0.15
^{69}Ge	(pα)^{66}Ga	1.4920e+00	2.5	0.0	0.0100	0.01	4.2e−02	
	1.9746e+02	−1.0761e+01	4.8352e+02	−7.2544e+02	3.6309e+01	−1.9013e+00	3.8246e+02	1.9793e+02
	1.00 1.00	1.05 1.24	1.37 1.48	1.57 1.65	1.70 1.77	2.42 3.50	4.81 7.74	9.53 8.40
^{70}Ge	(pγ)^{71}As	4.6210e+00	0.0	2.5	0.0100	0.01	2.0e−02	
	2.1146e+02	−8.8853e+00	3.5743e+02	−5.9492e+02	3.3830e+01	−1.9934e+00	2.9144e+02	2.3335e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.84	0.49 0.20
^{70}Ge	(pα)^{67}Ga	1.1810e+00	0.0	1.5	0.0100	0.01	9.7e−01	
	−9.7425e+02	1.4726e+01	−1.6050e+03	2.6932e+03	−1.6165e+02	9.2184e+00	−1.2512e+03	−9.7696e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.01 1.03	1.92 3.77	6.10 9.41	9.38 8.12
^{71}Ge	(pγ)^{72}As	5.6130e+00	0.5	2.0	0.0100	0.01	2.3e−02	
	1.7233e+02	−8.7177e+00	3.3462e+02	−5.2728e+02	2.7699e+01	−1.5495e+00	2.6717e+02	1.9510e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.00	1.03 0.96	0.87 0.63	0.37 0.17
^{71}Ge	(pα)^{68}Ga	2.0420e+00	0.5	1.0	0.0100	0.01	3.2e−02	
	8.4146e+01	−7.9568e+00	2.4742e+02	−3.5712e+02	1.6650e+01	−8.4218e−01	1.9827e+02	8.2419e+01
	1.00 1.01	1.05 1.05	1.04 1.04	1.05 1.06	1.08 1.11	1.40 2.14	3.16 5.46	6.54 4.81
^{72}Ge	(pγ)^{73}As	5.6600e+00	0.0	1.5	0.0100	0.01	2.2e−02	
	2.0908e+02	−8.9456e+00	3.5733e+02	−5.9221e+02	3.3928e+01	−2.0275e+00	2.9047e+02	2.3138e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.02	1.04 0.86	0.47 0.18
^{72}Ge	(pα)^{69}Ga	1.6000e+00	0.0	1.5	0.0100	0.01	2.8e−01	
	−5.3397e+02	1.1945e+00	−5.6150e+02	1.1490e+03	−8.0831e+01	5.0920e+00	−4.7567e+02	−5.3668e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.03 1.07	2.08 3.16	3.46 3.29	4.06 5.62
^{73}Ge	(pγ)^{74}As	6.8520e+00	4.5	2.0	0.0100	0.01	1.9e−02	
	2.6482e+02	−9.3376e+00	3.9724e+02	−6.9435e+02	4.0741e+01	−2.3698e+00	3.2993e+02	2.8920e+02
	1.01 1.00	1.00 1.00	0.99 0.97	0.94 0.89	0.85 0.80	0.57 0.50	0.49 0.46	0.34 0.18
^{73}Ge	(pα)^{70}Ga	2.4730e+00	4.5	1.0	0.0100	0.01	4.1e−02	
	−5.4316e+01	−6.7706e+00	1.1261e+02	−7.2283e+01	7.1249e−01	−6.2592e−03	7.0985e+01	−5.4435e+01
	0.89 0.79	0.87 1.42	2.17 2.23	1.93 1.63	1.44 1.33	2.42 3.39	4.30 7.53	12.00 15.03
^{74}Ge	(pγ)^{75}As	6.8990e+00	0.0	1.5	0.0100	0.01	3.0e−02	
	1.7481e+02	−8.8135e+00	3.3617e+02	−5.3196e+02	2.8764e+01	−1.6863e+00	2.6819e+02	1.9711e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 0.97	0.83 0.46	0.20 0.07
^{74}Ge	(pα)^{71}Ga	1.5760e+00	0.0	1.5	0.0100	0.01	5.9e−01	
	−3.5472e+02	−1.1812e+00	−3.5079e+02	7.3582e+02	−5.4761e+01	3.6311e+00	−2.9386e+02	−3.5743e+02
	1.00 1.00	1.00 1.00	1.00 1.01	1.02 1.05	1.10 1.17	1.78 1.69	1.94 4.08	8.32 8.75
^{75}Ge	(pγ)^{76}As	7.7230e+00	0.5	2.0	0.0100	0.01	2.7e−02	
	1.9603e+02	−9.0752e+00	3.5941e+02	−5.8517e+02	3.3001e+01	−1.9334e+00	2.8954e+02	2.1880e+02
	1.00 1.01	1.04 1.12	1.22 1.31	1.36 1.39	1.39 1.38	1.21 1.10	1.02 0.81	0.50 0.25
^{75}Ge	(pn)^{75}As	3.9500e−01	0.5	1.5	0.0100	0.01	2.9e−02	1
	1.8026e+02	−8.8865e+00	3.4103e+02	−5.4343e+02	2.9835e+01	−1.6637e+00	2.7267e+02	1.7956e+02
^{75}Ge	(pα)^{72}Ga	1.5930e+00	0.5	3.0	0.0100	0.01	1.7e+00	
	−9.6834e+02	1.4391e+01	−1.5930e+03	2.6700e+03	−1.6005e+02	9.2298e+00	−1.2430e+03	−9.7091e+02
	1.00 1.02	1.25 1.70	2.13 2.40	2.52 2.53	2.48 2.43	2.15 2.45	3.42 8.51	19.43 33.08
^{76}Ge	(pγ)^{77}As	7.9920e+00	0.0	1.5	0.0100	0.01	1.1e−02	
	2.2490e+02	−9.3906e+00	3.8777e+02	−6.3814e+02	3.3768e+01	−1.7748e+00	3.1449e+02	2.4720e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.86 0.64	0.49 0.39	0.30 0.16
^{76}Ge	(pα)^{73}Ga	1.3550e+00	0.0	1.5	0.0100	0.01	6.3e−01	0
	−1.0343e+03	1.6462e+01	−1.7577e+03	2.9109e+03	−1.7255e+02	9.9621e+00	−1.3668e+03	−1.0370e+03
^{62}As	(pγ)^{63}Se	1.7600e−01	1.0	0.5	n.c.	0.01	3.6e−02	0

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	2.6057e+02	−8.7594e+00	3.6768e+02	−6.6317e+02	3.8879e+01	−2.2316e+00	3.1080e+02	2.8466e+02
^{63}As	$(p\gamma)^{64}$Se	1.2210e+00	1.5	0.0	n.c.	0.01	3.4e−02	0
	2.3587e+02	−8.6438e+00	3.5124e+02	−6.1930e+02	3.5862e+01	−2.0656e+00	2.9394e+02	2.6094e+02
^{64}As	$(p\gamma)^{65}$Se	1.5010e+00	1.0	0.5	0.6300	0.01	1.7e−02	0
	2.4175e+02	−8.9649e+00	3.7563e+02	−6.4806e+02	3.6078e+01	−2.0011e+00	3.1189e+02	2.6583e+02
^{65}As	$(p\gamma)^{66}$Se	2.5870e+00	1.5	0.0	1.0500	0.01	2.2e−02	0
	2.4293e+02	−8.9769e+00	3.7455e+02	−6.4889e+02	3.6928e+01	−2.1114e+00	3.1127e+02	2.6800e+02
^{65}As	$(p\alpha)^{62}$Ge	3.4900e−01	1.5	0.0	1.0500	0.01	3.6e−01	0
	−7.3098e+02	1.5396e+01	−1.5554e+03	2.3628e+03	−1.3400e+02	7.3847e+00	−1.1428e+03	−7.3091e+02
^{66}As	$(p\gamma)^{67}$Se	3.3620e+00	2.0	1.5	0.0200	0.01	1.6e−02	0
	2.0606e+02	−8.8903e+00	3.5826e+02	−5.8990e+02	3.1409e+01	−1.7081e+00	2.9189e+02	2.2997e+02
^{66}As	$(p\alpha)^{63}$Ge	7.4900e−01	2.0	0.5	0.0200	0.01	8.4e−01	0
	−8.4802e+02	1.2375e+01	−1.4020e+03	2.3408e+03	−1.4141e+02	8.1486e+00	−1.0848e+03	−8.4842e+02
^{67}As	$(p\gamma)^{68}$Se	4.8820e+00	2.5	0.0	0.1450	0.01	2.0e−02	0
	2.8120e+02	−9.2674e+00	4.0014e+02	−7.1820e+02	4.3374e+01	−2.6256e+00	3.3673e+02	3.0668e+02
^{67}As	$(p\alpha)^{64}$Ge	1.9400e+00	2.5	0.0	0.1450	0.01	3.4e−02	0
	7.6318e+01	−6.5673e+00	1.4112e+02	−2.4405e+02	1.6194e+01	−1.1475e+00	1.2480e+02	7.6792e+01
^{68}As	$(p\gamma)^{69}$Se	4.7100e+00	3.0	1.5	0.0100	0.01	1.8e−02	0
	2.1427e+02	−9.0240e+00	3.6587e+02	−6.0626e+02	3.2882e+01	−1.8192e+00	2.9848e+02	2.3852e+02
^{68}As	$(p\alpha)^{65}$Ge	2.3980e+00	3.0	1.5	0.0100	0.01	3.8e−02	0
	5.6164e+01	−7.2012e+00	1.8023e+02	−2.5362e+02	1.0573e+01	−4.4070e−01	1.4513e+02	5.5405e+01
^{69}As	$(p\gamma)^{70}$Se	6.1350e+00	2.5	0.0	0.0300	0.01	1.7e−02	0
	2.1438e+02	−9.0656e+00	3.6685e+02	−6.0772e+02	3.3469e+01	−1.8910e+00	2.9900e+02	2.3986e+02
^{69}As	$(p\alpha)^{66}$Ge	2.6200e+00	2.5	0.0	0.0300	0.01	3.0e−02	0
	1.1365e+02	−7.8837e+00	2.4073e+02	−3.8028e+02	1.9837e+01	−1.0415e+00	1.9847e+02	1.1412e+02
^{70}As	$(p\gamma)^{71}$Se	6.4130e+00	0.0	1.5	0.0100	0.01	2.2e−02	0
	1.6899e+02	−8.8112e+00	3.3572e+02	−5.2522e+02	2.7176e+01	−1.4887e+00	2.6755e+02	1.9129e+02
^{70}As	$(p\alpha)^{67}$Ge	3.1780e+00	0.0	0.5	0.0100	0.01	3.8e−02	0
	3.2681e+01	−8.1421e+00	2.5833e+02	−3.0436e+02	1.0001e+01	−2.8539e−01	1.8726e+02	3.0667e+01
^{71}As	$(p\gamma)^{72}$Se	7.2910e+00	2.5	0.0	0.0100	0.01	2.1e−02	
	1.9297e+02	−9.0134e+00	3.5407e+02	−5.7068e+02	3.0857e+01	−1.7497e+00	2.8517e+02	2.1844e+02
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 1.00	1.00 0.99	0.94 0.85	0.75 0.51	0.28 0.13
^{71}As	$(p\alpha)^{68}$Ge	3.9490e+00	2.5	0.0	0.0100	0.01	7.4e−03	
	2.0638e+02	−9.3763e+00	3.9064e+02	−6.2886e+02	3.3594e+01	−1.8058e+00	3.1673e+02	2.0685e+02
	1.00 1.00	1.02 1.06	1.13 1.21	1.29 1.36	1.42 1.46	1.54 1.52	1.55 1.66	1.93 1.89
^{72}As	$(p\gamma)^{73}$Se	7.2760e+00	2.0	4.5	0.0100	0.01	2.6e−02	
	1.8564e+02	−8.9740e+00	3.4740e+02	−5.5575e+02	2.9716e+01	−1.6567e+00	2.7882e+02	2.0864e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.15 1.30	1.30 0.97	0.56 0.29
^{72}As	$(p\alpha)^{69}$Ge	3.7290e+00	2.0	2.5	0.0100	0.01	1.1e−02	
	2.1712e+02	−9.3810e+00	3.9131e+02	−6.4359e+02	3.6050e+01	−2.0258e+00	3.1964e+02	2.1561e+02
	1.00 1.01	1.04 1.05	1.07 1.09	1.12 1.15	1.19 1.23	1.91 2.46	2.66 3.10	3.62 3.32
^{73}As	$(p\gamma)^{74}$Se	8.5450e+00	1.5	0.0	0.0100	0.01	2.6e−02	
	1.8348e+02	−9.0192e+00	3.4830e+02	−5.5422e+02	2.9834e+01	−1.7118e+00	2.7877e+02	2.0855e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.95	0.86 0.59	0.31 0.13
^{73}As	$(p\alpha)^{70}$Ge	4.4680e+00	1.5	0.0	0.0100	0.01	1.5e−02	
	1.5717e+02	−9.0718e+00	3.5168e+02	−5.3225e+02	2.5549e+01	−1.2083e+00	2.7818e+02	1.5724e+02
	1.00 0.99	0.98 0.97	0.96 0.96	0.97 0.97	0.98 0.98	1.04 0.99	0.87 0.75	1.04 1.45
^{74}As	$(p\gamma)^{75}$Se	8.5980e+00	2.0	2.5	0.0100	0.01	2.5e−02	
	1.7364e+02	−9.0078e+00	3.4259e+02	−5.4151e+02	2.9508e+01	−1.6812e+00	2.7259e+02	1.9714e+02
	1.00 1.00	1.00 1.00	1.02 1.10	1.27 1.51	1.75 1.97	2.07 1.61	1.32 0.90	0.55 0.28
^{74}As	$(pn)^{74}$Se	5.7000e−01	2.0	0.0	0.0100	0.01	2.8e−02	
	1.9351e+02	−9.0810e+00	3.5293e+02	−5.7077e+02	3.1917e+01	−1.8168e+00	2.8395e+02	1.9512e+02
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.98 0.97	0.97 0.98	0.98 0.99	0.95 0.73
^{74}As	$(p\alpha)^{71}$Ge	3.9100e+00	2.0	0.5	0.0100	0.01	1.0e−02	
	1.6072e+02	−9.1989e+00	3.6063e+02	−5.5461e+02	3.0071e+01	−1.7093e+00	2.8605e+02	1.6032e+02
	1.00 1.00	1.01 1.03	1.14 1.39	1.75 2.10	2.37 2.53	2.26 2.05	2.13 2.70	3.11 2.48
^{75}As	$(p\gamma)^{76}$Se	9.5080e+00	1.5	0.0	0.0100	0.01	1.2e−02	
	2.6223e+02	−9.6790e+00	4.1151e+02	−7.0539e+02	4.0132e+01	−2.2674e+00	3.3905e+02	2.8730e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.98 0.97	0.70 0.60	0.59 0.58	0.40 0.20
^{75}As	$(p\alpha)^{72}$Ge	4.4170e+00	1.5	0.0	0.0100	0.01	2.1e−02	
	3.1185e+02	−1.0084e+01	4.5744e+02	−8.1482e+02	4.8927e+01	−2.8160e+00	3.8432e+02	3.1191e+02

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.00 1.00	1.00 1.00	1.01 1.03	1.04 1.04	1.03 1.00	0.70 0.76	0.96 1.25	1.71 2.34
^{68}Se	(pγ)^{69}Br	8.8000e−02	0.0	4.5	0.0800	0.01	5.8e−02	0
	2.3405e+02	−8.9233e+00	3.5372e+02	−6.2101e+02	3.7268e+01	−2.2540e+00	2.9446e+02	2.5543e+02
^{69}Se	(pγ)^{70}Br	1.5420e+00	1.5	5.0	0.0100	0.01	3.2e−02	0
	2.9836e+02	−9.5173e+00	4.1106e+02	−7.4913e+02	4.5910e+01	−2.7897e+00	3.4773e+02	3.2103e+02
^{70}Se	(pγ)^{71}Br	2.2110e+00	0.0	2.5	0.0100	0.01	2.0e−02	0
	2.4642e+02	−9.4358e+00	3.9237e+02	−6.7026e+02	3.8345e+01	−2.2366e+00	3.2349e+02	2.6831e+02
^{71}Se	(pγ)^{72}Br	3.0040e+00	1.5	3.0	0.0100	0.01	1.9e−02	0
	2.1909e+02	−9.3537e+00	3.7842e+02	−6.2485e+02	3.4170e+01	−1.9177e+00	3.0783e+02	2.4222e+02
^{71}Se	(pα)^{68}As	2.7700e−01	1.5	3.0	0.0100	0.01	1.1e−01	0
	−5.2763e+02	1.4783e+01	−1.4644e+03	2.0468e+03	−1.0974e+02	5.7877e+00	−1.0261e+03	−5.2951e+02
^{72}Se	(pγ)^{73}Br	2.9540e+00	0.0	0.5	0.0100	0.01	2.2e−02	0
	2.2842e+02	−9.4201e+00	3.8311e+02	−6.4046e+02	3.6120e+01	−2.0856e+00	3.1283e+02	2.5142e+02
^{72}Se	(pα)^{69}As	5.0000e−02	0.0	2.5	0.0100	0.01	1.0e−01	0
	−4.7077e+02	1.2934e+01	−1.3099e+03	1.8273e+03	−1.0132e+02	5.4925e+00	−9.0666e+02	−4.7389e+02
^{73}Se	(pγ)^{74}Br	4.3790e+00	4.5	0.0	0.0100	0.01	2.2e−02	
	2.0736e+02	−9.3551e+00	3.7156e+02	−6.0456e+02	3.3016e+01	−1.8697e+00	3.0006e+02	2.3334e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.92 0.80	0.70 0.49	0.29 0.13
^{73}Se	(pα)^{70}As	9.8900e−01	4.5	0.0	0.0100	0.01	8.1e−01	
	−3.8469e+02	−5.5981e+00	−7.1487e+01	4.7514e+02	−4.5966e+01	3.2450e+00	−1.2282e+02	−3.8371e+02
	0.96 0.85	0.77 0.73	0.93 1.52	1.83 1.92	1.96 2.00	2.82 4.36	6.44 12.31	17.24 17.93
^{74}Se	(pγ)^{75}Br	4.2150e+00	0.0	1.5	0.0100	0.01	2.2e−02	
	2.2633e+02	−9.4886e+00	3.8358e+02	−6.3872e+02	3.6388e+01	−2.1278e+00	3.1230e+02	2.4863e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.04	1.05 0.95	0.64 0.28
^{74}Se	(pα)^{71}As	5.4400e−01	0.0	2.5	0.0100	0.01	4.6e−01	
	−7.5885e+02	1.5909e+01	−1.6164e+03	2.4612e+03	−1.4156e+02	7.8976e+00	−1.1865e+03	−7.6197e+02
	1.00 1.00	1.00 1.01	1.06 1.17	1.37 1.64	1.95 2.30	6.41 9.08	10.65 13.04	15.32 15.64
^{75}Se	(pγ)^{76}Br	5.4090e+00	2.5	1.0	0.0100	0.01	2.8e−02	
	1.9240e+02	−9.3240e+00	3.6186e+02	−5.7853e+02	3.1559e+01	−1.8264e+00	2.8984e+02	2.1678e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.94	0.87 0.61	0.32 0.13
^{75}Se	(pα)^{72}As	9.2500e−01	2.5	2.0	0.0100	0.01	7.6e−01	
	−7.6206e+02	1.6776e+01	−1.6908e+03	2.5410e+03	−1.4219e+02	7.7902e+00	−1.2403e+03	−7.6320e+02
	1.02 3.79	2.14 1.35	1.36 1.44	1.53 1.64	1.73 1.84	2.59 3.91	6.49 13.64	20.04 22.30
^{76}Se	(pγ)^{77}Br	5.2710e+00	0.0	1.5	0.0100	0.01	2.5e−02	
	2.2201e+02	−9.5266e+00	3.8127e+02	−6.3187e+02	3.6413e+01	−2.1783e+00	3.0936e+02	2.4431e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.08	1.10 0.93	0.52 0.19
^{76}Se	(pα)^{73}As	5.6900e−01	0.0	1.5	0.0100	0.01	5.6e−01	
	−8.2386e+02	1.6433e+01	−1.6734e+03	2.5926e+03	−1.5215e+02	8.6594e+00	−1.2395e+03	−8.2657e+02
	1.00 1.00	1.00 1.01	1.05 1.14	1.29 1.50	1.71 1.95	4.59 6.07	6.38 7.86	11.85 15.12
^{77}Se	(pγ)^{78}Br	6.1420e+00	0.5	1.0	0.0100	0.01	1.9e−02	
	1.9961e+02	−9.5448e+00	3.7659e+02	−6.0013e+02	3.1278e+01	−1.6661e+00	3.0129e+02	2.2289e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.87 0.71	0.61 0.49	0.36 0.20
^{77}Se	(pα)^{74}As	1.1250e+00	0.5	2.0	0.0100	0.01	9.3e−01	0
	−9.7361e+02	1.4135e+01	−1.5954e+03	2.6743e+03	−1.5850e+02	8.9147e+00	−1.2450e+03	−9.7585e+02
^{78}Se	(pγ)^{79}Br	6.3310e+00	0.0	1.5	0.0100	0.01	3.1e−02	
	2.0884e+02	−9.5213e+00	3.7415e+02	−6.1021e+02	3.4953e+01	−2.1328e+00	3.0135e+02	2.3115e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.05	1.01 0.69	0.29 0.08
^{78}Se	(pα)^{75}As	8.7100e−01	0.0	1.5	0.0100	0.01	1.4e+00	
	−8.1945e+02	1.6611e+01	−1.6964e+03	2.6125e+03	−1.5189e+02	8.6442e+00	−1.2567e+03	−8.2216e+02
	1.00 1.00	1.00 1.00	1.01 1.03	1.08 1.18	1.30 1.44	2.79 2.96	3.27 7.11	17.16 19.67
^{79}Se	(pγ)^{80}Br	7.2610e+00	3.5	1.0	0.0100	0.01	8.6e−02	
	2.1693e+02	−9.2682e+00	3.5302e+02	−6.0088e+02	3.6402e+01	−2.2461e+00	2.8810e+02	2.4160e+02
	1.00 1.00	1.00 0.98	0.96 0.94	0.93 0.93	0.94 0.96	0.98 0.93	0.87 0.68	0.40 0.18
^{79}Se	(pα)^{76}As	1.2370e+00	3.5	2.0	0.0100	0.01	2.0e+00	
	−6.4416e+02	−2.8642e+00	−3.4782e+02	1.0379e+03	−8.1759e+01	5.3291e+00	−3.6876e+02	−6.4502e+02
	1.00 1.01	1.21 1.77	1.71 1.54	1.63 1.78	1.89 1.98	2.91 3.82	5.51 14.42	20.39 13.13
^{80}Se	(pγ)^{81}Br	7.5040e+00	0.0	1.5	0.0100	0.01	3.3e−02	
	1.6999e+02	−9.4286e+00	3.5544e+02	−5.4647e+02	2.8064e+01	−1.5640e+00	2.7988e+02	1.9229e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.97 0.84	0.66 0.35	0.15 0.05
^{80}Se	(pα)^{77}As	1.0210e+00	0.0	1.5	0.0100	0.01	5.3e−01	
	−7.6102e+02	1.7779e+01	−1.7730e+03	2.6208e+03	−1.4261e+02	7.6121e+00	−1.2947e+03	−7.6373e+02

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.00 1.00	1.00 1.00	1.00 1.01	1.04 1.08	1.12 1.16	1.64 2.89	4.31 9.79	19.02 17.24
^{81}Se	(pγ)^{82}Br	8.3960e+00	0.5	5.0	0.0100	0.01	3.2e−02	
	1.9444e+02	−9.6322e+00	3.7416e+02	−5.9966e+02	3.3519e+01	−1.9440e+00	2.9854e+02	2.1642e+02
	1.00 1.01	1.02 1.05	1.08 1.10	1.13 1.15	1.16 1.18	1.21 1.16	1.08 0.82	0.49 0.26
^{81}Se	(pn)^{81}Br	8.0300e−01	0.5	1.5	0.0100	0.01	3.2e−02	1
	1.9793e+02	−9.6042e+00	3.7226e+02	−5.9611e+02	3.3262e+01	−1.8723e+00	2.9721e+02	1.9723e+02
^{81}Se	(pα)^{78}As	1.2920e+00	0.5	2.0	0.0100	0.01	1.1e+00	0
	−9.6661e+02	1.9448e+01	−1.9504e+03	3.0238e+03	−1.7064e+02	9.4954e+00	−1.4619e+03	−9.6886e+02
^{82}Se	(pγ)^{83}Br	8.7040e+00	0.0	1.5	0.0100	0.01	8.2e−02	
	2.9229e+02	−9.8783e+00	4.1026e+02	−7.4292e+02	4.7166e+01	−2.9469e+00	3.4361e+02	3.1459e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.94 0.87	0.82 0.67	0.39 0.17
^{82}Se	(pα)^{79}As	9.0700e−01	0.0	1.5	0.0100	0.01	1.3e+00	
	−1.0003e+03	1.9093e+01	−1.9311e+03	3.0417e+03	−1.7542e+02	9.8488e+00	−1.4555e+03	−1.0030e+03
	1.00 1.00	1.00 1.00	1.01 1.01	1.03 1.07	1.12 1.18	1.89 2.42	3.20 8.69	30.29 52.27
^{66}Br	(pγ)^{67}Kr	1.4200e−01	2.0	2.5	n.c.	0.01	3.2e−02	0
	2.7934e+02	−9.4781e+00	4.0391e+02	−7.2071e+02	4.1881e+01	−2.3934e+00	3.3952e+02	3.0284e+02
^{67}Br	(pγ)^{68}Kr	1.2040e+00	4.5	0.0	n.c.	0.01	3.6e−02	0
	2.7261e+02	−9.4637e+00	3.9911e+02	−7.0870e+02	4.1500e+01	−2.4080e+00	3.3460e+02	2.9859e+02
^{68}Br	(pγ)^{69}Kr	1.4090e+00	4.0	0.5	0.5500	0.01	2.3e−02	0
	2.5782e+02	−9.5739e+00	4.0270e+02	−6.9397e+02	3.8884e+01	−2.1794e+00	3.3371e+02	2.8301e+02
^{69}Br	(pγ)^{70}Kr	2.4340e+00	4.5	0.0	1.0200	0.01	2.1e−02	0
	2.5927e+02	−9.6171e+00	4.0393e+02	−6.9718e+02	3.9680e+01	−2.2670e+00	3.3465e+02	2.8525e+02
^{70}Br	(pγ)^{71}Kr	3.0980e+00	5.0	4.5	0.0700	0.01	1.9e−02	0
	2.2592e+02	−9.5351e+00	3.8876e+02	−6.4317e+02	3.4630e+01	−1.9022e+00	3.1681e+02	2.4970e+02
^{70}Br	(pα)^{67}Se	3.2800e−01	5.0	1.5	0.0700	0.01	1.2e−01	0
	−5.9893e+02	1.5769e+01	−1.5581e+03	2.2188e+03	−1.2060e+02	6.4448e+00	−1.1042e+03	−5.9924e+02
^{71}Br	(pγ)^{72}Kr	4.5250e+00	2.5	0.0	0.1300	0.01	3.0e−02	0
	3.0159e+02	−9.8757e+00	4.2797e+02	−7.6924e+02	4.6271e+01	−2.7678e+00	3.5994e+02	3.2707e+02
^{71}Br	(pα)^{68}Se	1.6230e+00	2.5	0.0	0.1300	0.01	2.4e−01	0
	−4.9319e+02	2.6244e+00	−6.8089e+02	1.2168e+03	−7.3666e+01	4.1585e+00	−5.4614e+02	−4.9272e+02
^{72}Br	(pγ)^{73}Kr	4.9940e+00	3.0	2.5	0.0100	0.01	2.3e−02	0
	1.9139e+02	−9.4021e+00	3.6688e+02	−5.8245e+02	3.0516e+01	−1.6750e+00	2.9386e+02	2.1523e+02
^{72}Br	(pα)^{69}Se	1.9820e+00	3.0	1.5	0.0100	0.01	6.5e−02	0
	1.0926e+02	−1.0390e+01	4.0253e+02	−5.4459e+02	2.2905e+01	−9.4840e−01	3.0610e+02	1.0849e+02
^{73}Br	(pγ)^{74}Kr	5.8970e+00	0.5	0.0	0.0250	0.01	2.1e−02	0
	2.1402e+02	−9.5849e+00	3.8340e+02	−6.2447e+02	3.3881e+01	−1.9042e+00	3.0991e+02	2.3840e+02
^{73}Br	(pα)^{70}Se	2.4760e+00	0.5	0.0	0.0250	0.01	3.1e−02	0
	8.7723e+01	−8.4071e+00	2.5196e+02	−3.6610e+02	1.6848e+01	−7.7309e−01	2.0127e+02	8.7092e+01
^{74}Br	(pγ)^{75}Kr	6.2230e+00	0.0	2.5	0.0100	0.01	2.6e−02	0
	1.9837e+02	−9.5114e+00	3.7215e+02	−5.9556e+02	3.1986e+01	−1.7982e+00	2.9849e+02	2.2026e+02
^{74}Br	(pα)^{71}Se	3.0230e+00	0.0	1.5	0.0100	0.01	2.4e−02	0
	1.4630e+01	−7.4921e+00	1.6226e+02	−1.9009e+02	6.0779e+00	−1.9410e−01	1.2226e+02	1.1919e+01
^{75}Br	(pγ)^{76}Kr	7.1280e+00	1.5	0.0	0.0100	0.01	2.3e−02	
	2.1100e+02	−9.6367e+00	3.8233e+02	−6.2018e+02	3.3996e+01	−1.9403e+00	3.0811e+02	2.3607e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.94 0.88	0.83 0.65	0.39 0.17
^{75}Br	(pα)^{72}Se	3.6200e+00	1.5	0.0	0.0100	0.01	3.3e−02	
	5.0851e+01	−8.0680e+00	2.0803e+02	−2.7449e+02	1.0981e+01	−4.2558e−01	1.5956e+02	5.0912e+01
	1.00 1.00	1.00 1.03	1.05 1.07	1.08 1.08	1.08 1.06	0.85 0.81	0.91 1.31	1.77 2.21
^{76}Br	(pγ)^{77}Kr	7.1710e+00	1.0	2.5	0.0100	0.01	2.8e−02	
	1.9065e+02	−9.5458e+00	3.6907e+02	−5.8390e+02	3.1085e+01	−1.7387e+00	2.9442e+02	2.1364e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.18 1.46	1.61 1.30	0.70 0.31
^{76}Br	(pα)^{73}Se	2.7920e+00	1.0	4.5	0.0100	0.01	3.2e−02	
	3.3317e+01	−8.0627e+00	2.0652e+02	−2.5758e+02	9.3710e+00	−3.4185e−01	1.5716e+02	3.0787e+01
	1.00 1.03	1.11 1.26	1.31 1.32	1.33 1.36	1.43 1.52	3.43 3.84	3.55 3.86	4.55 4.91
^{77}Br	(pγ)^{78}Kr	8.2130e+00	1.5	0.0	0.0100	0.01	2.9e−02	
	2.0184e+02	−9.6303e+00	3.7558e+02	−6.0345e+02	3.3221e+01	−1.9285e+00	3.0109e+02	2.2691e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.97	0.92 0.71	0.40 0.17
^{77}Br	(pα)^{74}Se	3.8420e+00	1.5	0.0	0.0100	0.01	1.1e−02	
	1.8429e+02	−9.8018e+00	3.9202e+02	−6.0924e+02	3.1602e+01	−1.6767e+00	3.1289e+02	1.8435e+02
	1.00 1.00	0.97 0.95	0.92 0.91	0.90 0.90	0.90 0.90	0.96 0.94	0.91 1.05	1.27 1.09
^{78}Br	(pγ)^{79}Kr	8.2790e+00	1.0	0.5	0.0100	0.01	1.1e−02	

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.6940e+02	−9.5540e+00	3.5930e+02	−5.5298e+02	2.9021e+01	−1.5967e+00	2.8220e+02	1.9349e+02
	1.01 1.02	1.01 1.02	1.09 1.20	1.31 1.42	1.54 1.65	1.93 1.52	1.18 0.72	0.41 0.20
^{78}Br	$(p\alpha)^{75}$Se	3.5810e+00	1.0	2.5	0.0100	0.01	1.8e−02	
	−8.4196e+01	−5.9361e+00	1.4778e+01	6.6489e+01	−7.5638e+00	4.9885e−01	−3.0399e−01	−8.6217e+01
	1.03 1.46	6.68 14.38	14.93 12.14	9.34 7.25	5.81 4.83	2.05 1.95	2.20 2.67	3.25 4.34
^{79}Br	$(p\gamma)^{80}$Kr	9.1140e+00	1.5	0.0	0.0100	0.01	2.6e−02	
	1.8280e+02	−9.6900e+00	3.7285e+02	−5.7839e+02	2.9497e+01	−1.5817e+00	2.9505e+02	2.0788e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.91 0.74	0.62 0.42	0.25 0.12
^{79}Br	$(p\alpha)^{76}$Se	4.0480e+00	1.5	0.0	0.0100	0.01	1.2e−02	
	2.7000e+02	−1.0546e+01	4.6280e+02	−7.7641e+02	4.3738e+01	−2.4294e+00	3.7977e+02	2.7005e+02
	1.00 1.00	1.00 1.00	0.99 0.99	0.99 0.98	0.98 0.98	0.78 0.65	0.80 1.58	1.86 1.31
^{80}Br	$(p\gamma)^{81}$Kr	9.0940e+00	1.0	3.5	0.0100	0.01	4.2e−02	
	2.1824e+02	−9.8895e+00	3.9400e+02	−6.4358e+02	3.6188e+01	−2.1065e+00	3.1771e+02	2.4095e+02
	1.00 1.03	1.21 1.38	1.48 1.50	1.48 1.43	1.38 1.33	0.94 0.80	0.74 0.58	0.36 0.18
^{80}Br	$(pn)^{80}$Kr	1.2220e+00	1.0	0.0	0.0100	0.01	3.0e−02	
	2.0718e+02	−9.7851e+00	3.8253e+02	−6.1714e+02	3.4638e+01	−1.9709e+00	3.0664e+02	2.0828e+02
	1.00 1.00	0.99 0.98	0.97 0.98	0.98 0.98	0.98 0.98	0.99 1.00	1.00 1.02	1.01 0.77
^{80}Br	$(p\alpha)^{77}$Se	3.5750e+00	1.0	0.5	0.0100	0.01	2.9e−02	
	−2.7856e+01	−7.7456e+00	1.5769e+02	−1.4243e+02	1.9297e+00	7.5406e−02	1.0865e+02	−2.8779e+01
	0.99 0.98	1.00 1.02	1.05 1.08	1.10 1.10	1.09 1.07	1.03 1.28	1.58 2.37	3.12 2.69
^{81}Br	$(p\gamma)^{82}$Kr	9.9030e+00	1.5	0.0	0.0100	0.01	4.7e−02	
	3.1552e+02	−1.0392e+01	4.4953e+02	−8.0687e+02	4.9842e+01	−3.0344e+00	3.7606e+02	3.4060e+02
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.98	0.97 0.95	0.77 0.78	0.83 0.67	0.37 0.17
^{81}Br	$(p\alpha)^{78}$Se	3.9150e+00	1.5	0.0	0.0100	0.01	5.7e−02	
	−5.3977e−01	−7.1439e+00	1.1409e+02	−1.2720e+02	4.7417e+00	−1.7641e−01	8.3793e+01	−4.8316e−01
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.98	0.97 0.95	1.02 1.30	1.40 1.61	2.76 5.72
^{73}Kr	$(p\gamma)^{74}$Rb	2.1280e+00	2.5	0.0	0.0100	0.01	3.0e−02	0
	2.8226e+02	−1.0070e+01	4.2751e+02	−7.4617e+02	4.2899e+01	−2.4641e+00	3.5528e+02	3.0773e+02
^{74}Kr	$(p\gamma)^{75}$Rb	2.3410e+00	0.0	1.5	0.0100	0.01	2.5e−02	0
	2.5189e+02	−9.9744e+00	4.1157e+02	−6.9616e+02	3.9505e+01	−2.2756e+00	3.3747e+02	2.7419e+02
^{75}Kr	$(p\gamma)^{76}$Rb	3.5260e+00	2.5	0.0	0.0100	0.01	2.0e−02	0
	2.3052e+02	−9.9447e+00	4.0265e+02	−6.6264e+02	3.6406e+01	−2.0548e+00	3.2645e+02	2.5600e+02
^{76}Kr	$(p\gamma)^{77}$Rb	3.1370e+00	0.0	1.5	0.0100	0.01	3.0e−02	0
	2.5291e+02	−1.0021e+01	4.1071e+02	−6.9681e+02	4.0230e+01	−2.3544e+00	3.3663e+02	2.7521e+02
^{77}Kr	$(p\gamma)^{78}$Rb	4.0530e+00	2.5	0.0	0.0100	0.01	2.2e−02	
	2.3117e+02	−1.0057e+01	4.0715e+02	−6.6836e+02	3.7128e+01	−2.1338e+00	3.2937e+02	2.5665e+02
	1.00 1.01	0.99 1.01	1.01 1.00	1.00 0.99	1.00 0.99	0.98 0.94	0.89 0.67	0.36 0.15
^{78}Kr	$(p\gamma)^{79}$Rb	3.9240e+00	0.0	2.5	0.0100	0.01	2.2e−02	
	2.3455e+02	−1.0075e+01	4.0692e+02	−6.7238e+02	3.8172e+01	−2.2282e+00	3.2972e+02	2.5644e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.04 1.09	1.09 0.94	0.60 0.24
^{79}Kr	$(p\gamma)^{80}$Rb	5.0170e+00	0.5	1.0	0.0100	0.01	3.1e−02	
	2.0977e+02	−9.9333e+00	3.8882e+02	−6.2631e+02	3.4728e+01	−2.0245e+00	3.1174e+02	2.3305e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.03 1.03	0.98 0.74	0.41 0.16
^{79}Kr	$(p\alpha)^{76}$Br	7.1100e−01	0.5	1.0	0.0100	0.01	6.8e−01	0
	−7.5841e+02	1.7130e+01	−1.7277e+03	2.5706e+03	−1.4306e+02	7.7612e+00	−1.2584e+03	−7.6014e+02
^{80}Kr	$(p\gamma)^{81}$Rb	4.8510e+00	0.0	1.5	0.0100	0.01	2.5e−02	
	2.3874e+02	−1.0169e+01	4.1098e+02	−6.8213e+02	3.9772e+01	−2.4137e+00	3.3321e+02	2.6104e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.07	1.13 1.06	0.54 0.15
^{80}Kr	$(p\alpha)^{77}$Br	2.0500e−01	0.0	1.5	0.0100	0.01	1.8e−01	
	−5.6939e+02	1.4794e+01	−1.4917e+03	2.1208e+03	−1.1904e+02	6.5331e+00	−1.0463e+03	−5.7211e+02
	1.00 1.00	1.00 1.02	1.08 1.22	1.43 1.69	1.99 2.30	6.02 8.65	10.13 14.87	22.42 21.86
^{81}Kr	$(p\gamma)^{82}$Rb	5.7830e+00	3.5	1.0	0.0100	0.01	3.5e−02	
	1.8805e+02	−9.9153e+00	3.7926e+02	−5.9222e+02	3.1566e+01	−1.8065e+00	3.0033e+02	2.1272e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.90	0.78 0.51	0.24 0.09
^{81}Kr	$(p\alpha)^{78}$Br	6.2300e−01	3.5	1.0	0.0100	0.01	1.6e−01	
	−5.8846e+02	1.6911e+01	−1.6620e+03	2.3130e+03	−1.2169e+02	6.2837e+00	−1.1679e+03	−5.8881e+02
	3.08 3.51	3.47 2.84	1.99 1.67	1.61 1.65	1.72 1.78	3.56 6.31	10.76 27.07	36.00 24.97
^{82}Kr	$(p\gamma)^{83}$Rb	5.7720e+00	0.0	2.5	0.0100	0.01	3.4e−02	
	2.2915e+02	−1.0166e+01	4.0459e+02	−6.6493e+02	3.8639e+01	−2.3661e+00	3.2637e+02	2.5104e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.04	1.06 0.78	0.32 0.08
^{82}Kr	$(p\alpha)^{79}$Br	3.4400e−01	0.0	1.5	0.0100	0.01	3.8e−01	

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	−5.7711e+02	1.5172e+01	−1.5271e+03	2.1652e+03	−1.2099e+02	6.6796e+00	−1.0725e+03	−5.7983e+02
	1.00 1.00	1.00 1.00	1.01 1.04	1.11 1.21	1.35 1.50	3.66 5.03	6.41 14.84	34.25 36.75
^{83}Kr	$(p\gamma)^{84}$Rb	7.0570e+00	4.5	2.0	0.0100	0.01	2.7e−02	
	2.4284e+02	−1.0374e+01	4.2187e+02	−6.9619e+02	3.8806e+01	−2.2098e+00	3.4119e+02	2.6722e+02
	1.01 1.00	1.00 1.00	1.00 1.00	1.00 0.99	1.00 0.99	0.87 0.74	0.64 0.42	0.21 0.09
^{83}Kr	$(p\alpha)^{80}$Br	7.7200e−01	4.5	1.0	0.0100	0.01	1.4e+00	
	−1.1177e+03	2.0941e+01	−2.1097e+03	3.3480e+03	−1.9090e+02	1.0443e+01	−1.6000e+03	−1.1178e+03
	1.02 0.89	0.85 0.85	0.92 0.98	0.99 0.99	1.00 1.03	1.99 4.32	9.47 34.04	42.48 23.87
^{84}Kr	$(p\gamma)^{85}$Rb	7.0240e+00	0.0	2.5	0.0100	0.01	4.5e−02	
	1.9397e+02	−1.0031e+01	3.8315e+02	−6.0340e+02	3.3184e+01	−1.9874e+00	3.0374e+02	2.1586e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.96	0.84 0.46	0.15 0.04
^{84}Kr	$(p\alpha)^{81}$Br	4.0800e−01	0.0	1.5	0.0100	0.01	1.9e−01	
	−4.3007e+02	1.5055e+01	−1.4880e+03	1.9585e+03	−9.9041e+01	4.9585e+00	−1.0122e+03	−4.3279e+02
	1.00 1.00	1.00 1.00	1.00 1.01	1.04 1.08	1.13 1.18	1.62 3.13	6.87 24.50	42.18 33.18
^{85}Kr	$(p\gamma)^{86}$Rb	8.5560e+00	4.5	2.0	0.0100	0.01	3.7e−02	
	1.7606e+02	−9.8469e+00	3.6183e+02	−5.6453e+02	3.0481e+01	−1.7183e+00	2.8472e+02	2.0044e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.97 0.93	0.82 0.49	0.26 0.14
^{85}Kr	$(p\alpha)^{82}$Br	8.8200e−01	4.5	5.0	0.0100	0.01	3.5e+00	0
	−1.4108e+03	2.2760e+01	−2.3288e+03	3.8941e+03	−2.3125e+02	1.3198e+01	−1.8191e+03	−1.4122e+03
^{86}Kr	$(p\gamma)^{87}$Rb	8.6200e+00	0.0	1.5	0.0100	0.01	4.5e−02	
	2.9793e+02	−1.0745e+01	4.5579e+02	−7.9334e+02	4.7248e+01	−2.8111e+00	3.7605e+02	3.2023e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.94 0.64	0.27 0.11
^{86}Kr	$(p\alpha)^{83}$Br	6.1100e−01	0.0	1.5	0.0100	0.01	2.6e−01	0
	−7.4318e+02	1.9074e+01	−1.8662e+03	2.6848e+03	−1.4337e+02	7.5223e+00	−1.3391e+03	−7.4590e+02
^{69}Rb	$(p\gamma)^{70}$Sr	8.8000e−02	1.5	0.0	n.c.	0.01	3.6e−02	0
	2.7329e+02	−9.7543e+00	4.0227e+02	−7.1479e+02	4.1975e+01	−2.4366e+00	3.3681e+02	2.9836e+02
^{71}Rb	$(p\gamma)^{72}$Sr	8.4700e−01	3.5	0.0	n.c.	0.01	3.5e−02	0
	2.9111e+02	−1.0087e+01	4.2759e+02	−7.5867e+02	4.4547e+01	−2.5948e+00	3.5784e+02	3.1688e+02
^{72}Rb	$(p\gamma)^{73}$Sr	1.3630e+00	1.0	1.5	0.5550	0.01	2.4e−02	0
	2.6547e+02	−1.0111e+01	4.2179e+02	−7.2170e+02	4.0221e+01	−2.2415e+00	3.4785e+02	2.8887e+02
^{73}Rb	$(p\gamma)^{74}$Sr	2.4820e+00	1.5	0.0	0.8750	0.01	1.7e−02	0
	2.7043e+02	−1.0269e+01	4.3314e+02	−7.3885e+02	4.1385e+01	−2.3340e+00	3.5675e+02	2.9551e+02
^{74}Rb	$(p\gamma)^{75}$Sr	3.1710e+00	0.0	1.5	0.0250	0.01	2.2e−02	0
	2.1643e+02	−9.9150e+00	3.9167e+02	−6.3577e+02	3.3813e+01	−1.8485e+00	3.1587e+02	2.3873e+02
^{74}Rb	$(p\alpha)^{71}$Kr	9.6000e−02	0.0	4.5	0.0250	0.01	1.1e−01	0
	−5.6907e+02	1.5632e+01	−1.5526e+03	2.1780e+03	−1.1834e+02	6.3301e+00	−1.0878e+03	−5.7269e+02
^{75}Rb	$(p\gamma)^{76}$Sr	4.4670e+00	1.5	0.0	0.0850	0.01	3.1e−02	0
	2.8006e+02	−1.0331e+01	4.3549e+02	−7.5198e+02	4.2995e+01	−2.4767e+00	3.6006e+02	3.0514e+02
^{75}Rb	$(p\alpha)^{72}$Kr	1.1040e+00	1.5	0.0	0.0850	0.01	1.4e+00	0
	−1.1447e+03	1.8119e+01	−1.9334e+03	3.2065e+03	−1.8900e+02	1.0694e+01	−1.5042e+03	−1.1447e+03
^{76}Rb	$(p\gamma)^{77}$Sr	4.7860e+00	0.0	2.5	0.0100	0.01	2.9e−02	0
	2.1180e+02	−1.0011e+01	3.9436e+02	−6.3404e+02	3.4268e+01	−1.9460e+00	3.1670e+02	2.3369e+02
^{76}Rb	$(p\alpha)^{73}$Kr	1.2730e+00	0.0	2.5	0.0100	0.01	3.2e+00	0
	−1.1282e+03	1.5876e+01	−1.7787e+03	3.0352e+03	−1.8398e+02	1.0624e+01	−1.4018e+03	−1.1313e+03
^{77}Rb	$(p\gamma)^{78}$Sr	5.6350e+00	1.5	0.0	0.0200	0.01	2.1e−02	0
	2.5026e+02	−1.0300e+01	4.2221e+02	−7.0556e+02	4.0193e+01	−2.3575e+00	3.4395e+02	2.7533e+02
^{77}Rb	$(p\alpha)^{74}$Kr	2.2070e+00	1.5	0.0	0.0200	0.01	4.2e−01	0
	−3.9128e+02	−1.8722e−01	−4.8159e+02	9.0462e+02	−5.8225e+01	3.4412e+00	−3.9066e+02	−3.9122e+02
^{78}Rb	$(p\gamma)^{79}$Sr	5.8300e+00	0.0	1.5	0.0100	0.01	4.0e−02	0
	2.0839e+02	−1.0021e+01	3.8979e+02	−6.2626e+02	3.4728e+01	−2.0348e+00	3.1236e+02	2.3069e+02
^{78}Rb	$(p\alpha)^{75}$Kr	2.1710e+00	0.0	2.5	0.0100	0.01	6.1e−01	0
	−6.1854e+02	2.4631e+00	−7.2679e+02	1.4054e+03	−9.2034e+01	5.4899e+00	−6.0528e+02	−6.2166e+02
^{79}Rb	$(p\gamma)^{80}$Sr	6.7980e+00	2.5	0.0	0.0100	0.01	2.8e−02	
	2.1877e+02	−1.0192e+01	4.0329e+02	−6.5124e+02	3.5894e+01	−2.0684e+00	3.2386e+02	2.4425e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.95 0.90	0.84 0.63	0.33 0.13
^{79}Rb	$(p\alpha)^{76}$Kr	3.0480e+00	2.5	0.0	0.0100	0.01	3.5e−02	
	2.6077e+01	−8.3924e+00	2.0636e+02	−2.5163e+02	9.3235e+00	−3.7555e−01	1.5497e+02	2.6540e+01
	1.00 1.04	1.07 1.08	1.08 1.10	1.10 1.11	1.13 1.13	1.15 1.28	1.58 2.36	2.87 2.80
^{80}Rb	$(p\gamma)^{81}$Sr	6.6430e+00	1.0	0.5	0.0100	0.01	3.3e−02	
	2.0271e+02	−1.0122e+01	3.9244e+02	−6.2218e+02	3.3578e+01	−1.8953e+00	3.1273e+02	2.2681e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.92	0.84 0.62	0.36 0.17

Target	Reaction		Q		J_i		J_f		$T_\mathrm{low}^\mathrm{HF}$		$T_\mathrm{low}^\mathrm{fit}$		Dev		SEF	
	a_0		a_1		a_2		a_3		a_4		a_5		a_6		a_0^rev	
T_9^SEF:	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	2.0	3.0	4.0	6.0	8.0	10.0
^{80}Rb	(pα)^{77}Kr		2.8650e+00		1.0		2.5		0.0100		0.01		6.9e−01			
	−5.2765e+02		9.6030e−02		−5.4510e+02		1.1259e+03		−7.8460e+01		4.9276e+00		−4.6733e+02		−5.2967e+02	
	1.00	1.00	1.00	1.03	1.07	1.16	1.28	1.45	1.65	1.87	3.39	4.04	4.29	4.36	4.74	4.63
^{81}Rb	(pγ)^{82}Sr		7.8400e+00		1.5		0.0		0.0100		0.01		3.5e−02			
	2.0273e+02		−1.0166e+01		3.9391e+02		−6.2444e+02		3.4217e+01		−2.0026e+00		3.1373e+02		2.2780e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	0.97	0.68	0.31	0.11
^{81}Rb	(pα)^{78}Kr		3.5670e+00		1.5		0.0		0.0100		0.01		3.5e−02			
	−4.4869e+01		−7.9877e+00		1.5426e+02		−1.1752e+02		−1.2742e+00		3.3645e−01		1.0244e+02		−4.4812e+01	
	1.00	0.99	0.95	0.90	0.85	0.83	0.82	0.83	0.84	0.85	1.04	1.22	1.37	1.75	2.08	1.88
^{82}Rb	(pγ)^{83}Sr		7.8980e+00		1.0		3.5		0.0100		0.01		3.4e−02			
	2.0422e+02		−1.0219e+01		3.9623e+02		−6.2814e+02		3.3996e+01		−1.9276e+00		3.1545e+02		2.2693e+02	
	1.00	1.00	1.00	1.00	1.04	1.09	1.13	1.19	1.27	1.37	2.35	2.32	1.84	0.98	0.47	0.20
^{82}Rb	(pα)^{79}Kr		3.1200e+00		1.0		0.5		0.0100		0.01		1.1e−02			
	−6.9662e+01		−7.1554e+00		8.7391e+01		−2.7149e+01		−3.5616e+00		2.6424e−01		5.3362e+01		−7.0587e+01	
	1.03	1.44	1.86	2.40	2.53	2.37	2.20	2.11	2.11	2.13	2.10	2.26	2.80	3.78	3.75	2.52
^{83}Rb	(pγ)^{84}Sr		8.8610e+00		2.5		0.0		0.0100		0.01		4.0e−02			
	1.8978e+02		−1.0178e+01		3.8810e+02		−6.0350e+02		3.2025e+01		−1.8235e+00		3.0660e+02		2.1526e+02	
	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.94	0.83	0.52	0.24	0.09
^{83}Rb	(pα)^{80}Kr		3.6860e+00		2.5		0.0		0.0100		0.01		4.1e−02			
	−5.0342e+01		−8.1117e+00		1.5818e+02		−1.1581e+02		−2.6524e+00		5.4555e−01		1.0373e+02		−4.9881e+01	
	1.45	1.48	1.43	1.39	1.36	1.35	1.34	1.34	1.34	1.34	1.42	1.48	1.53	1.85	3.07	4.11
^{84}Rb	(pγ)^{85}Sr		8.6410e+00		2.0		4.5		0.0100		0.01		5.3e−02			
	1.1910e+02		−9.5599e+00		3.2219e+02		−4.6122e+02		2.2906e+01		−1.2638e+00		2.4538e+02		1.4209e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.02	1.05	1.09	1.15	2.19	2.22	1.73	0.88	0.41	0.18
^{84}Rb	(pn)^{84}Sr		1.1200e−01		2.0		0.0		0.0100		0.01		4.4e−02			
	2.4152e+02		−1.0521e+01		4.2411e+02		−6.9825e+02		3.9710e+01		−2.2542e+00		3.4289e+02		2.4313e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.93	0.94	0.96	0.99	0.99	0.98
^{84}Rb	(pα)^{81}Kr		2.8090e+00		2.0		3.5		0.0100		0.01		3.3e−01			
	−5.0546e+02		4.4105e−01		−5.7141e+02		1.1228e+03		−7.4553e+01		4.5454e+00		−4.7885e+02		−5.0726e+02	
	1.00	1.00	1.09	2.79	7.07	11.10	13.90	15.13	14.82	13.37	4.99	5.03	5.10	6.01	9.52	12.04
^{85}Rb	(pγ)^{86}Sr		9.6440e+00		2.5		0.0		0.0100		0.01		2.5e−02			
	2.2800e+02		−1.0580e+01		4.2321e+02		−6.8085e+02		3.6503e+01		−1.9997e+00		3.3880e+02		2.5348e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.93	0.83	0.73	0.48	0.25	0.12
^{85}Rb	(pα)^{82}Kr		3.2880e+00		2.5		0.0		0.0100		0.01		4.1e−02			
	1.0767e+02		−9.3187e+00		2.8027e+02		−4.2105e+02		2.2435e+01		−1.2585e+00		2.2255e+02		1.0812e+02	
	1.00	1.01	1.01	1.06	1.13	1.23	1.35	1.46	1.58	1.68	2.34	2.36	2.56	4.03	4.98	3.48
^{86}Rb	(pγ)^{87}Sr		9.4210e+00		2.0		4.5		0.0100		0.01		4.6e−02			
	1.8954e+02		−1.0271e+01		3.8893e+02		−6.0820e+02		3.3087e+01		−1.8927e+00		3.0692e+02		2.1253e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.02	1.03	1.33	1.38	1.18	0.70	0.37	0.18
^{86}Rb	(pn)^{86}Sr		9.9300e−01		2.0		0.0		0.0100		0.01		4.1e−02			1
	2.1293e+02		−1.0405e+01		4.0403e+02		−6.4642e+02		3.6080e+01		−2.0266e+00		3.2206e+02		2.1454e+02	
^{86}Rb	(pα)^{83}Kr		2.1010e+00		2.0		4.5		0.0100		0.01		3.7e+00			
	−1.4392e+03		2.1999e+01		−2.3118e+03		3.9185e+03		−2.3339e+02		1.3330e+01		−1.8268e+03		−1.4412e+03	
	1.00	1.00	1.70	11.55	21.05	16.80	9.01	4.28	2.38	1.78	3.20	4.70	5.97	10.31	19.92	23.99
^{87}Rb	(pγ)^{88}Sr		1.0614e+01		1.5		0.0		0.0100		0.01		9.2e−02			
	2.7651e+02		−1.0725e+01		4.3956e+02		−7.5495e+02		4.5023e+01		−2.6930e+00		3.5997e+02		3.0158e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.93	0.87	0.79	0.54	0.30	0.15
^{87}Rb	(pα)^{84}Kr		2.7010e+00		1.5		0.0		0.0100		0.01		8.3e−01			
	−6.2244e+02		1.5080e+00		−6.8805e+02		1.3652e+03		−8.9480e+01		5.4294e+00		−5.8563e+02		−6.2239e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.01	1.07	1.25	1.59	4.05	11.73	15.54
^{77}Sr	(pγ)^{78}Y		1.0570e+00		2.5		3.0		0.0100		0.01		4.4e−02			0
	3.0944e+02		−1.0597e+01		4.4988e+02		−8.0127e+02		4.7691e+01		−2.8134e+00		3.7607e+02		3.3297e+02	
^{78}Sr	(pγ)^{79}Y		2.4720e+00		0.0		2.5		0.0100		0.01		2.3e−02			0
	2.8121e+02		−1.0640e+01		4.4514e+02		−7.6429e+02		4.4878e+01		−2.6811e+00		3.6640e+02		3.0310e+02	
^{79}Sr	(pγ)^{80}Y		5.1700e+00		1.5		3.0		0.0100		0.01		2.4e−02			0
	2.1439e+02		−1.0331e+01		4.0546e+02		−6.4855e+02		3.5064e+01		−1.9941e+00		3.2444e+02		2.3751e+02	
^{80}Sr	(pγ)^{81}Y		3.0000e+00		0.0		2.5		0.0100		0.01		1.6e−02			0
	2.7149e+02		−1.0756e+01		4.4841e+02		−7.5840e+02		4.4302e+01		−2.6596e+00		3.6669e+02		2.9339e+02	
^{81}Sr	(pγ)^{82}Y		3.9560e+00		0.5		1.0		0.0100		0.01		2.3e−02			
	2.1459e+02		−1.0443e+01		4.1037e+02		−6.5472e+02		3.5733e+01		−2.0552e+00		3.2785e+02		2.3787e+02	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.03	1.05	1.03	0.82	0.42	0.16

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{81}Sr	(pα)^{78}Rb	2.7400e−01	0.5	0.0	0.0100	0.01	8.0e−02	0
	−5.0481e+02	1.6177e+01	−1.5891e+03	2.1419e+03	−1.1171e+02	5.7398e+00	−1.0913e+03	−5.0545e+02
^{82}Sr	(pγ)^{83}Y	3.6120e+00	0.0	4.5	0.0100	0.01	1.9e−02	
	2.4638e+02	−1.0675e+01	4.3239e+02	−7.1291e+02	4.0751e+01	−2.4174e+00	3.4962e+02	2.6777e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.06	1.08 0.96	0.52 0.15
^{83}Sr	(pγ)^{84}Y	4.7260e+00	3.5	1.0	0.0100	0.01	3.1e−02	
	2.1192e+02	−1.0475e+01	4.0788e+02	−6.4941e+02	3.5912e+01	−2.1086e+00	3.2513e+02	2.3659e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.94 0.64	0.27 0.09
^{83}Sr	(pα)^{80}Rb	2.3900e−01	3.5	1.0	0.0100	0.01	6.3e−02	
	−4.8760e+02	1.5539e+01	−1.5382e+03	2.0703e+03	−1.0885e+02	5.6207e+00	−1.0516e+03	−4.8795e+02
	1.21 1.09	1.06 1.09	1.15 1.24	1.35 1.48	1.60 1.74	3.77 9.51	22.15 55.24	70.63 68.31
^{84}Sr	(pγ)^{85}Y	4.4920e+00	0.0	0.5	0.0100	0.01	2.1e−02	
	2.5098e+02	−1.0769e+01	4.3620e+02	−7.2216e+02	4.2020e+01	−2.5378e+00	3.5281e+02	2.7397e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.05	1.11 1.01	0.50 0.14
^{85}Sr	(pγ)^{86}Y	5.4680e+00	4.5	4.0	0.0100	0.01	3.0e−02	
	2.1736e+02	−1.0616e+01	4.1561e+02	−6.6316e+02	3.6839e+01	−2.1703e+00	3.3123e+02	2.4116e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.96	0.89 0.55	0.22 0.07
^{86}Sr	(pγ)^{87}Y	5.7840e+00	0.0	0.5	0.0100	0.01	3.0e−02	
	2.4566e+02	−1.0778e+01	4.3158e+02	−7.1181e+02	4.1662e+01	−2.5510e+00	3.4812e+02	2.6865e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.02	1.07 0.87	0.33 0.08
^{87}Sr	(pγ)^{88}Y	6.7080e+00	4.5	4.0	0.0100	0.01	6.2e−02	
	2.0966e+02	−1.0604e+01	4.0920e+02	−6.4806e+02	3.5732e+01	−2.1144e+00	3.2490e+02	2.3346e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.96	0.86 0.44	0.15 0.05
^{88}Sr	(pγ)^{89}Y	7.0730e+00	0.0	0.5	0.0100	0.01	3.2e−02	
	2.4419e+02	−1.0849e+01	4.3259e+02	−7.1153e+02	4.1864e+01	−2.6144e+00	3.4816e+02	2.6719e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.76	0.23 0.04
^{75}Y	(pγ)^{76}Zr	5.8900e−01	2.5	0.0	n.c.	0.01	4.1e−02	0
	3.0168e+02	−1.0639e+01	4.4882e+02	−7.9254e+02	4.6537e+01	−2.7180e+00	3.7431e+02	3.2715e+02
^{76}Y	(pγ)^{77}Zr	8.0200e−01	1.0	1.5	0.4950	0.01	2.5e−02	0
	2.9305e+02	−1.0795e+01	4.5707e+02	−7.8886e+02	4.4584e+01	−2.5159e+00	3.7785e+02	3.1645e+02
^{77}Y	(pγ)^{78}Zr	1.6940e+00	2.5	0.0	0.9300	0.01	3.1e−02	0
	2.9360e+02	−1.0813e+01	4.5632e+02	−7.8945e+02	4.5491e+01	−2.6367e+00	3.7731e+02	3.1908e+02
^{78}Y	(pγ)^{79}Zr	2.3580e+00	3.0	2.5	0.1050	0.01	1.8e−02	0
	2.5822e+02	−1.0762e+01	4.4287e+02	−7.3489e+02	4.0086e+01	−2.2244e+00	3.6008e+02	2.8206e+02
^{79}Y	(pγ)^{80}Zr	3.6260e+00	2.5	0.0	0.0750	0.01	3.6e−02	0
	2.9914e+02	−1.0905e+01	4.5988e+02	−7.9928e+02	4.6499e+01	−2.7222e+00	3.8048e+02	3.2462e+02
^{79}Y	(pα)^{76}Sr	1.3290e+00	2.5	0.0	0.0750	0.01	2.4e+00	0
	−1.3186e+03	1.9489e+01	−2.1047e+03	3.5729e+03	−2.1299e+02	1.2103e+01	−1.6610e+03	−1.3181e+03
^{80}Y	(pγ)^{81}Zr	2.7870e+00	3.0	0.5	0.0100	0.01	2.2e−02	0
	2.7283e+02	−1.0882e+01	4.5054e+02	−7.5915e+02	4.2359e+01	−2.3553e+00	3.6809e+02	2.9777e+02
^{81}Y	(pγ)^{82}Zr	5.4660e+00	2.5	0.0	0.0100	0.01	3.3e−02	0
	2.4975e+02	−1.0735e+01	4.3180e+02	−7.1631e+02	4.1447e+01	−2.5166e+00	3.4994e+02	2.7523e+02
^{81}Y	(pα)^{78}Sr	2.0220e+00	2.5	0.0	0.0100	0.01	2.7e+00	0
	−1.2303e+03	1.8510e+01	−2.0176e+03	3.3915e+03	−2.0168e+02	1.1465e+01	−1.5834e+03	−1.2299e+03
^{82}Y	(pγ)^{83}Zr	5.5600e+00	1.0	0.5	0.0100	0.01	3.2e−02	0
	1.8816e+02	−1.0479e+01	3.9819e+02	−6.1320e+02	3.2038e+01	−1.7942e+00	3.1376e+02	2.1226e+02
^{82}Y	(pα)^{79}Sr	2.1480e+00	1.0	1.5	0.0100	0.01	4.1e+00	0
	−1.1785e+03	1.7225e+01	−1.9128e+03	3.2311e+03	−1.9503e+02	1.1271e+01	−1.5013e+03	−1.1801e+03
^{83}Y	(pγ)^{84}Zr	6.0020e+00	4.5	0.0	0.0100	0.01	2.3e−02	
	2.3697e+02	−1.0842e+01	4.3393e+02	−7.0403e+02	3.9240e+01	−2.2851e+00	3.4869e+02	2.6296e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.96 0.90	0.85 0.65	0.30 0.10
^{83}Y	(pα)^{80}Sr	1.8870e+00	4.5	0.0	0.0100	0.01	2.5e+00	
	−1.1382e+03	1.7612e+01	−1.9287e+03	3.1973e+03	−1.8923e+02	1.0788e+01	−1.5001e+03	−1.1372e+03
	1.00 1.16	1.67 2.34	2.99 3.55	4.01 4.35	4.62 4.81	4.45 4.20	5.36 10.49	17.93 27.08
^{84}Y	(pγ)^{85}Zr	6.2090e+00	1.0	3.5	0.0100	0.01	3.3e−02	
	1.9546e+02	−1.0606e+01	4.0506e+02	−6.2812e+02	3.3256e+01	−1.8678e+00	3.1966e+02	2.1817e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 0.95	0.81 0.50	0.26 0.12
^{84}Y	(pα)^{81}Sr	2.1550e+00	1.0	0.5	0.0100	0.01	7.2e+00	
	−1.3878e+03	1.9827e+01	−2.1550e+03	3.7096e+03	−2.2674e+02	1.3236e+01	−1.7110e+03	−1.3888e+03
	1.00 1.02	2.68 7.42	7.17 4.18	2.36 1.63	1.46 1.53	4.96 6.22	6.84 8.31	11.25 11.90
^{85}Y	(pγ)^{86}Zr	7.2500e+00	0.5	0.0	0.0100	0.01	3.2e−02	

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	2.1678e+02	−1.0778e+01	4.2048e+02	−6.6785e+02	3.6729e+01	−2.1343e+00	3.3465e+02	2.4116e+02
	1.02 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.00	1.05 1.08	1.06 0.76	0.36 0.13
^{85}Y	(pα)^{82}Sr	3.0250e+00	0.5	0.0	0.0100	0.01	5.9e−01	
	−5.3363e+02	−1.0674e+00	−4.9312e+02	1.0754e+03	−7.6073e+01	4.7814e+00	−4.3616e+02	−5.3427e+02
	91.39 3.83	0.45 0.33	0.31 0.29	0.29 0.29	0.30 0.31	0.56 0.89	1.25 1.93	2.64 2.62
^{86}Y	(pγ)^{87}Zr	7.3590e+00	4.0	4.5	0.0100	0.01	3.4e−02	
	2.0800e+02	−1.0764e+01	4.1559e+02	−6.5277e+02	3.5241e+01	−2.0021e+00	3.2924e+02	2.3158e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.90	0.80 0.54	0.30 0.14
^{86}Y	(pα)^{83}Sr	2.3800e+00	4.0	3.5	0.0100	0.01	1.7e+00	0
	−1.1049e+03	7.9465e+00	−1.2844e+03	2.5082e+03	−1.6224e+02	9.7354e+00	−1.0949e+03	−1.1061e+03
^{87}Y	(pγ)^{88}Zr	7.9000e+00	0.5	0.0	0.0100	0.01	4.1e−02	
	2.1003e+02	−1.0786e+01	4.1555e+02	−6.5532e+02	3.5884e+01	−2.0846e+00	3.2946e+02	2.3441e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.05	0.96 0.55	0.24 0.09
^{87}Y	(pα)^{84}Sr	2.4930e+00	0.5	0.0	0.0100	0.01	3.8e+00	
	−1.3392e+03	1.9273e+01	−2.1136e+03	3.6142e+03	−2.1984e+02	1.2845e+01	−1.6742e+03	−1.3399e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.99 0.98	1.02 1.11	1.18 1.73	3.28 7.27
^{88}Y	(pγ)^{89}Zr	7.8630e+00	4.0	4.5	0.0100	0.01	3.9e−02	
	2.0460e+02	−1.0807e+01	4.1402e+02	−6.4745e+02	3.4827e+01	−1.9758e+00	3.2708e+02	2.2818e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.86 0.54	0.28 0.13
^{88}Y	(pα)^{85}Sr	1.6690e+00	4.0	4.5	0.0100	0.01	3.7e+00	
	−1.0046e+03	2.4353e+00	−8.7591e+02	1.9747e+03	−1.3826e+02	8.6564e+00	−8.0412e+02	−1.0061e+03
	1.00 1.00	1.02 1.16	1.54 2.19	2.94 2.72	2.07 1.82	2.82 4.58	6.65 12.43	24.59 32.92
^{89}Y	(pγ)^{90}Zr	8.3570e+00	0.5	0.0	0.0100	0.01	4.3e−02	
	2.2100e+02	−1.0929e+01	4.2456e+02	−6.7719e+02	3.7984e+01	−2.2804e+00	3.3767e+02	2.4539e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.89 0.54	0.18 0.05
^{89}Y	(pα)^{86}Sr	1.6820e+00	0.5	0.0	0.0100	0.01	4.6e+00	
	−1.1808e+03	1.7132e+01	−1.9140e+03	3.2306e+03	−1.9651e+02	1.1534e+01	−1.4994e+03	−1.1814e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.03 1.05	1.15 2.94	10.02 23.20
^{81}Zr	(pγ)^{82}Nb	3.0300e−01	0.5	1.0	0.0650	0.01	8.8e−02	0
	2.8010e+02	−1.0720e+01	4.2906e+02	−7.4990e+02	4.4820e+01	−2.7259e+00	3.5477e+02	3.0338e+02
^{82}Zr	(pγ)^{83}Nb	2.0600e+00	0.0	2.5	0.0100	0.01	2.3e−02	0
	2.7134e+02	−1.1173e+01	4.6134e+02	−7.7129e+02	4.4205e+01	−2.6338e+00	3.7540e+02	2.9324e+02
^{83}Zr	(pγ)^{84}Nb	1.9310e+00	0.5	3.0	0.0100	0.01	2.5e−02	0
	2.3524e+02	−1.1017e+01	4.3976e+02	−7.0838e+02	3.8836e+01	−2.2361e+00	3.5257e+02	2.5768e+02
^{83}Zr	(pα)^{80}Y	1.6970e+00	0.5	3.0	0.0100	0.01	1.4e+00	0
	−8.9727e+02	4.1590e+00	−9.6101e+02	1.9456e+03	−1.2788e+02	7.6183e+00	−8.3027e+02	−8.9985e+02
^{84}Zr	(pγ)^{85}Nb	2.1090e+00	0.0	4.5	0.0100	0.01	2.2e−02	0
	2.8306e+02	−1.1318e+01	4.7043e+02	−7.9347e+02	4.6285e+01	−2.7775e+00	3.8375e+02	3.0444e+02
^{85}Zr	(pγ)^{86}Nb	3.9650e+00	3.5	5.0	0.0100	0.01	3.0e−02	
	2.1366e+02	−1.0948e+01	4.2541e+02	−6.6976e+02	3.6367e+01	−2.1070e+00	3.3751e+02	2.3703e+02
	1.00 1.00	1.00 1.01	1.01 1.01	1.01 1.02	1.02 1.02	1.04 1.02	0.94 0.55	0.21 0.07
^{86}Zr	(pγ)^{87}Nb	3.6630e+00	0.0	4.5	0.0100	0.01	2.8e−02	
	2.5972e+02	−1.1240e+01	4.5511e+02	−7.5193e+02	4.3483e+01	−2.6097e+00	3.6770e+02	2.8111e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.08	1.15 1.00	0.44 0.12
^{87}Zr	(pγ)^{88}Nb	4.0150e+00	4.5	8.0	0.0100	0.01	2.8e−02	
	2.3366e+02	−1.1149e+01	4.4070e+02	−7.0773e+02	3.9573e+01	−2.3256e+00	3.5196e+02	2.5682e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.94 0.66	0.29 0.09
^{88}Zr	(pγ)^{89}Nb	4.2430e+00	0.0	4.5	0.0100	0.01	3.0e−02	
	2.6812e+02	−1.1367e+01	4.6239e+02	−7.6872e+02	4.4940e+01	−2.7043e+00	3.7416e+02	2.8950e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.03	1.09 0.99	0.47 0.15
^{89}Zr	(pγ)^{90}Nb	5.0780e+00	4.5	8.0	0.0100	0.01	4.4e−02	
	2.2260e+02	−1.1104e+01	4.3073e+02	−6.8556e+02	3.8286e+01	−2.2590e+00	3.4237e+02	2.4576e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.96 0.61	0.23 0.08
^{90}Zr	(pγ)^{91}Nb	5.1590e+00	0.0	4.5	0.0100	0.01	2.8e−02	
	2.7562e+02	−1.1494e+01	4.6941e+02	−7.8460e+02	4.6485e+01	−2.8360e+00	3.8024e+02	2.9700e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 0.94	0.40 0.10
^{91}Zr	(pγ)^{92}Nb	5.8470e+00	2.5	7.0	0.0100	0.01	3.7e−02	
	2.1085e+02	−1.1220e+01	4.3364e+02	−6.7381e+02	3.4899e+01	−1.8827e+00	3.4167e+02	2.3362e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.93 0.50	0.19 0.09
^{91}Zr	(pα)^{88}Y	1.2670e+00	2.5	4.0	0.0100	0.01	1.0e+01	
	−1.6487e+03	2.0582e+01	−2.3158e+03	4.1413e+03	−2.5142e+02	1.4369e+01	−1.8857e+03	−1.6504e+03

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.18 3.19	11.40 53.60	84.43 83.73
^{92}Zr	(pγ)^{93}Nb	6.0430e+00	0.0	4.5	0.0100	0.01	5.4e−02	
	1.5861e+02	−1.0909e+01	3.9697e+02	−5.7840e+02	2.7581e+01	−1.4320e+00	3.0499e+02	1.8000e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.87	0.65 0.24	0.08 0.04
^{92}Zr	(pα)^{89}Y	4.1100e+00	0.0	0.5	0.0100	0.01	1.1e−01	
	−1.4823e−01	−9.4576e+00	2.2589e+02	−2.3773e+02	3.8447e+00	3.0767e−01	1.5911e+02	−2.1779e+00
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.89	0.76 1.42	5.91 9.05
^{93}Zr	(pγ)^{94}Nb	6.5360e+00	2.5	6.0	0.0100	0.01	8.2e−02	
	2.7542e+02	−1.1359e+01	4.5199e+02	−7.6936e+02	4.6296e+01	−2.8055e+00	3.6759e+02	2.9834e+02
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.98 0.98	0.92 0.90	0.85 0.48	0.21 0.09
^{93}Zr	(pα)^{90}Y	4.2320e+00	2.5	2.0	0.0100	0.01	4.5e−02	
	−6.0395e+01	−7.6600e+00	7.3083e+01	−2.6940e+01	1.8689e−01	−2.9831e−02	4.1646e+01	−6.1550e+01
	1.00 1.00	1.00 1.00	0.99 1.00	0.99 0.99	0.99 0.99	1.09 1.32	2.15 6.72	12.34 31.72
^{94}Zr	(pγ)^{95}Nb	6.8050e+00	0.0	4.5	0.0100	0.01	1.9e−02	
	2.6634e+02	−1.1796e+01	4.8383e+02	−7.8649e+02	4.2348e+01	−2.2808e+00	3.8794e+02	2.8772e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.97 0.85	0.66 0.32	0.15 0.07
^{94}Zr	(pα)^{91}Y	3.9450e+00	0.0	0.5	0.0100	0.01	6.7e−02	
	2.5095e+02	−1.0893e+01	3.8280e+02	−6.8628e+02	4.5580e+01	−2.9138e+00	3.2137e+02	2.4892e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 1.15	1.97 12.98	24.25 15.98
^{95}Zr	(pγ)^{96}Nb	7.2350e+00	2.5	6.0	0.0100	0.01	3.2e−02	
	2.2552e+02	−1.1722e+01	4.6514e+02	−7.2894e+02	4.0036e+01	−2.2859e+00	3.6536e+02	2.4844e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.93	0.79 0.42	0.18 0.08
^{95}Zr	(pn)^{95}Nb	3.4200e−01	2.5	4.5	0.0100	0.01	4.1e−02	
	2.2368e+02	−1.1353e+01	4.3854e+02	−6.9594e+02	3.9214e+01	−2.2395e+00	3.4744e+02	2.2317e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.94
^{95}Zr	(pα)^{92}Y	4.0360e+00	2.5	2.0	0.0100	0.01	7.8e−01	0
	−5.1463e+02	−2.3173e−01	−5.8052e+02	1.1365e+03	−7.2105e+01	4.3048e+00	−4.9131e+02	−5.1579e+02
^{96}Zr	(pγ)^{97}Nb	7.4550e+00	0.0	4.5	0.0100	0.01	1.3e−01	
	2.9099e+02	−1.1656e+01	4.7346e+02	−8.0792e+02	4.8245e+01	−2.9010e+00	3.8579e+02	3.1238e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.88 0.33	0.12 0.05
^{96}Zr	(pα)^{93}Y	3.6670e+00	0.0	0.5	0.0100	0.01	5.9e−01	
	−6.1428e+02	2.6523e+00	−8.1375e+02	1.4819e+03	−8.7422e+01	4.8264e+00	−6.6893e+02	−6.1631e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.22	3.58 26.01	54.57 68.15
^{79}Nb	(pγ)^{80}Mo	2.5000e−01	0.5	0.0	n.c.	0.01	4.6e−02	0
	3.2016e+02	−1.1231e+01	4.7457e+02	−8.3922e+02	4.9408e+01	−2.8843e+00	3.9543e+02	3.4454e+02
^{80}Nb	(pγ)^{81}Mo	3.3900e−01	3.0	2.5	0.6400	0.01	4.0e−02	0
	3.2544e+02	−1.1406e+01	4.8713e+02	−8.5679e+02	4.9767e+01	−2.8650e+00	4.0506e+02	3.4928e+02
^{81}Nb	(pγ)^{82}Mo	3.3000e−01	0.5	0.0	1.3350	0.01	4.9e−02	0
	3.0668e+02	−1.1241e+01	4.6774e+02	−8.1750e+02	4.8019e+01	−2.8295e+00	3.8732e+02	3.3106e+02
^{81}Nb	(pα)^{78}Zr	1.3700e−01	0.5	0.0	1.3350	0.01	8.0e−02	0
	−5.9613e+02	1.7616e+01	−1.7306e+03	2.3829e+03	−1.2676e+02	6.6273e+00	−1.2020e+03	−5.9676e+02
^{82}Nb	(pγ)^{83}Mo	1.2570e+00	1.0	3.5	0.2200	0.01	3.3e−02	0
	2.8486e+02	−1.1338e+01	4.6894e+02	−7.9212e+02	4.4389e+01	−2.5164e+00	3.8325e+02	3.0757e+02
^{82}Nb	(pα)^{79}Zr	1.0230e+00	1.0	2.5	0.2200	0.01	1.1e+00	0
	−1.1980e+03	2.3669e+01	−2.3578e+03	3.6955e+03	−2.0993e+02	1.1588e+01	−1.7805e+03	−1.2000e+03
^{83}Nb	(pγ)^{84}Mo	2.2410e+00	2.5	0.0	0.1850	0.01	5.6e−02	0
	3.4738e+02	−1.1504e+01	4.9198e+02	−8.8916e+02	5.4624e+01	−3.3125e+00	4.1265e+02	3.7286e+02
^{83}Nb	(pα)^{80}Zr	2.8150e+00	2.5	0.0	0.1850	0.01	4.9e−02	0
	8.5047e+00	−7.2664e+00	7.2252e+01	−1.0054e+02	9.1431e+00	−8.1082e−01	5.7610e+01	8.9654e+00
^{84}Nb	(pγ)^{85}Mo	3.7850e+00	3.0	1.5	0.0100	0.01	2.5e−02	0
	2.1197e+02	−1.1073e+01	4.2945e+02	−6.7116e+02	3.4731e+01	−1.8776e+00	3.4017e+02	2.3622e+02
^{84}Nb	(pα)^{81}Zr	3.6210e+00	3.0	0.5	0.0100	0.01	2.3e−01	0
	−1.9403e+02	−8.0275e+00	7.2946e+01	1.2798e+02	−1.9769e+01	1.6285e+00	8.0584e+00	−1.9411e+02
^{85}Nb	(pγ)^{86}Mo	4.6630e+00	4.5	0.0	0.0500	0.01	3.2e−02	0
	2.3345e+02	−1.1250e+01	4.4566e+02	−7.1257e+02	3.8703e+01	−2.2206e+00	3.5604e+02	2.5944e+02
^{85}Nb	(pα)^{82}Zr	1.2580e+00	4.5	0.0	0.0500	0.01	3.3e−01	0
	−9.3298e+02	2.2799e+01	−2.2144e+03	3.2556e+03	−1.7796e+02	9.5924e+00	−1.6118e+03	−9.3201e+02
^{86}Nb	(pγ)^{87}Mo	5.1550e+00	5.0	3.5	0.0100	0.01	3.5e−02	0
	2.0516e+02	−1.1095e+01	4.2553e+02	−6.6038e+02	3.4918e+01	−1.9611e+00	3.3575e+02	2.2916e+02
^{86}Nb	(pα)^{83}Zr	1.4980e+00	5.0	0.5	0.0100	0.01	2.5e+01	0
	−1.5108e+03	1.5814e+01	−1.9377e+03	3.6154e+03	−2.3273e+02	1.4024e+01	−1.6034e+03	−1.5104e+03

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{87}Nb	(pγ)^{88}Mo	5.8100e+00	4.5	0.0	0.0100	0.01	3.4e−02	
	2.2801e+02	−1.1284e+01	4.4262e+02	−7.0357e+02	3.8534e+01	−2.2292e+00	3.5228e+02	2.5400e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.01 1.01	0.94 0.57	0.23 0.07
^{87}Nb	(pα)^{84}Zr	1.7140e+00	4.5	0.0	0.0100	0.01	1.5e+00	
	−1.2541e+03	2.4440e+01	−2.4349e+03	3.8373e+03	−2.1978e+02	1.2244e+01	−1.8439e+03	−1.2532e+03
	1.00 1.00	1.03 1.08	1.16 1.25	1.37 1.53	1.70 1.90	4.47 7.48	11.34 17.38	22.85 37.73
^{88}Nb	(pγ)^{89}Mo	6.2180e+00	8.0	4.5	0.0100	0.01	3.5e−02	
	2.1604e+02	−1.1245e+01	4.3491e+02	−6.8192e+02	3.6667e+01	−2.0670e+00	3.4413e+02	2.4026e+02
	1.35 1.35	1.33 1.31	1.29 1.27	1.25 1.23	1.22 1.21	1.16 1.06	0.89 0.51	0.25 0.11
^{88}Nb	(pα)^{85}Zr	1.9410e+00	8.0	3.5	0.0100	0.01	2.0e+00	
	−6.7495e+02	−6.4253e+00	−1.7540e+02	8.9697e+02	−7.8617e+01	5.3909e+00	−2.7290e+02	−6.7553e+02
	1.18 1.05	1.02 0.99	0.96 0.94	1.21 2.77	5.55 7.89	15.03 15.23	16.56 23.80	34.38 43.75
^{89}Nb	(pγ)^{90}Mo	6.8790e+00	4.5	0.0	0.0100	0.01	3.5e−02	
	2.3674e+02	−1.1411e+01	4.4981e+02	−7.2063e+02	4.0087e+01	−2.3310e+00	3.5872e+02	2.6273e+02
	1.08 1.08	1.08 1.08	1.07 1.06	1.06 1.06	1.06 1.06	1.05 1.03	0.97 0.65	0.30 0.11
^{89}Nb	(pα)^{86}Zr	2.0910e+00	4.5	0.0	0.0100	0.01	4.3e+00	
	−1.3660e+03	1.9596e+01	−2.1543e+03	3.6773e+03	−2.2273e+02	1.2920e+01	−1.7024e+03	−1.3650e+03
	1.21 1.21	1.24 1.28	1.34 1.42	1.52 1.63	1.76 1.90	3.78 5.62	7.47 11.78	19.61 32.72
^{90}Nb	(pγ)^{91}Mo	6.8360e+00	8.0	4.5	0.0100	0.01	3.9e−02	
	2.3082e+02	−1.1399e+01	4.4553e+02	−7.0984e+02	3.9355e+01	−2.2735e+00	3.5433e+02	2.5504e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.01	0.92 0.60	0.30 0.13
^{90}Nb	(pα)^{87}Zr	1.5550e+00	8.0	4.5	0.0100	0.01	1.1e+00	
	−5.4618e+02	−9.1966e+00	5.5582e+01	5.1689e+02	−5.7560e+01	4.2369e+00	−8.8041e+01	−5.4698e+02
	1.00 1.00	0.99 0.96	0.92 0.90	1.12 1.94	3.12 4.13	7.32 8.00	9.89 17.08	27.52 40.18
^{91}Nb	(pγ)^{92}Mo	7.4560e+00	4.5	0.0	0.0100	0.01	3.6e−02	
	2.5042e+02	−1.1553e+01	4.5916e+02	−7.4604e+02	4.2664e+01	−2.5381e+00	3.6773e+02	2.7641e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.96 0.75	0.37 0.13
^{91}Nb	(pα)^{88}Zr	1.8500e+00	4.5	0.0	0.0100	0.01	1.7e+00	
	−1.2572e+03	2.4785e+01	−2.4688e+03	3.8768e+03	−2.2169e+02	1.2400e+01	−1.8674e+03	−1.2563e+03
	1.00 1.04	1.25 1.58	1.92 2.22	2.47 2.67	2.84 2.94	3.35 4.08	4.93 8.79	20.89 41.86
^{92}Nb	(pγ)^{93}Mo	7.6430e+00	7.0	2.5	0.0100	0.01	2.7e−02	
	1.7840e+02	−1.1002e+01	4.0059e+02	−6.0508e+02	3.0618e+01	−1.6303e+00	3.1218e+02	2.0301e+02
	1.00 1.00	1.00 1.00	0.99 0.98	0.97 0.96	0.94 0.93	0.76 0.61	0.48 0.27	0.15 0.08
^{92}Nb	(pα)^{89}Zr	3.2830e+00	7.0	4.5	0.0100	0.01	9.1e−02	
	−4.6118e+01	−8.8118e+00	1.5512e+02	−1.2809e+02	3.7721e+00	−1.5156e−01	1.0023e+02	−4.7049e+01
	1.00 1.00	1.00 0.99	0.98 0.98	0.97 0.97	1.00 1.03	1.02 1.40	2.78 10.57	21.49 18.53
^{93}Nb	(pγ)^{94}Mo	8.4900e+00	4.5	0.0	0.0100	0.01	5.6e−02	
	2.1601e+02	−1.1412e+01	4.3744e+02	−6.8487e+02	3.6369e+01	−2.0176e+00	3.4514e+02	2.4200e+02
	1.00 1.00	1.00 1.00	0.99 0.99	0.97 0.96	0.94 0.93	0.86 0.76	0.59 0.27	0.12 0.06
^{93}Nb	(pα)^{90}Zr	6.4230e+00	4.5	0.0	0.0100	0.01	4.0e−02	
	−1.0796e+01	−8.5549e+00	1.4166e+02	−1.4000e+02	2.8999e+00	9.3365e−02	9.7577e+01	−9.8306e+00
	1.08 1.42	1.72 1.93	1.99 1.87	1.69 1.51	1.37 1.28	1.13 1.21	1.22 1.85	4.92 6.16
^{94}Nb	(pγ)^{95}Mo	8.6320e+00	6.0	2.5	0.0100	0.01	7.0e−02	
	2.6200e+02	−1.1562e+01	4.5494e+02	−7.5776e+02	4.4617e+01	−2.6423e+00	3.6659e+02	2.8647e+02
	1.00 0.94	0.85 0.77	0.71 0.66	0.63 0.60	0.58 0.56	0.56 0.60	0.58 0.43	0.27 0.18
^{94}Nb	(pn)^{94}Mo	1.2630e+00	6.0	0.0	0.0100	0.01	3.7e−02	
	2.3956e+02	−1.1295e+01	4.3411e+02	−7.0902e+02	4.0526e+01	−2.3253e+00	3.4948e+02	2.4212e+02
	1.13 1.38	1.44 1.44	1.40 1.33	1.26 1.20	1.15 1.11	1.02 1.01	1.01 1.00	0.99 0.84
^{94}Nb	(pα)^{91}Zr	6.3910e+00	6.0	2.5	0.0100	0.01	3.6e−02	
	−2.7991e+00	−8.6967e+00	1.4968e+02	−1.6214e+02	6.9280e+00	−2.8390e−01	1.0408e+02	−3.3636e+00
	1.00 0.98	0.95 0.93	0.91 0.91	0.92 0.95	0.99 1.04	1.80 2.17	2.47 5.02	15.87 23.70
^{95}Nb	(pγ)^{96}Mo	9.2980e+00	4.5	0.0	0.0100	0.01	5.8e−02	
	2.2502e+02	−1.1431e+01	4.3548e+02	−6.9704e+02	3.9163e+01	−2.2648e+00	3.4521e+02	2.5102e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.99 0.99	0.94 0.87	0.72 0.34	0.16 0.08
^{95}Nb	(pn)^{95}Mo	1.4400e−01	4.5	2.5	0.0100	0.01	4.6e−02	1
	2.4336e+02	−1.1678e+01	4.6012e+02	−7.3983e+02	4.1883e+01	−2.3815e+00	3.6676e+02	2.4387e+02
^{95}Nb	(pα)^{92}Zr	6.5370e+00	4.5	0.0	0.0100	0.01	4.0e−02	
	−6.4018e+01	−8.4510e+00	1.1517e+02	−6.1111e+01	−9.1132e−01	1.8893e−01	6.6828e+01	−6.3053e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.01 1.02	1.22 1.52	2.03 4.06	6.93 11.90
^{96}Nb	(pγ)^{97}Mo	9.2260e+00	6.0	2.5	0.0100	0.01	4.6e−02	
	1.9744e+02	−1.1547e+01	4.3746e+02	−6.6977e+02	3.5463e+01	−1.9043e+00	3.4094e+02	2.2190e+02

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.00 0.98	0.95 0.93	0.92 0.91	0.90 0.89	0.89 0.89	0.87 0.81	0.68 0.44	0.42 0.43
^{96}Nb	(pn)^{96}Mo	2.4050e+00	6.0	0.0	0.0100	0.01	4.1e−02	
	2.3600e+02	−1.1681e+01	4.5612e+02	−7.2825e+02	4.1542e+01	−2.4129e+00	3.6196e+02	2.3856e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 0.99	0.90 0.65
^{96}Nb	(pα)^{93}Zr	6.3780e+00	6.0	2.5	0.0100	0.01	5.1e−02	0
	6.3240e+01	−9.7615e+00	2.4030e+02	−3.3289e+02	1.9337e+01	−1.1381e+00	1.8070e+02	6.2674e+01
^{97}Nb	(pγ)^{98}Mo	9.7940e+00	4.5	0.0	0.0100	0.01	3.0e−02	
	2.8762e+02	−1.2076e+01	4.9481e+02	−8.3145e+02	5.0780e+01	−3.1024e+00	4.0000e+02	3.1361e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 1.01	1.19 1.82	1.53 0.78
^{97}Nb	(pn)^{97}Mo	1.1510e+00	4.5	2.5	0.0100	0.01	4.3e−02	
	2.4351e+02	−1.1771e+01	4.6271e+02	−7.4364e+02	4.3104e+01	−2.5837e+00	3.6800e+02	2.4402e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.87	0.53 0.23
^{97}Nb	(pα)^{94}Zr	6.5240e+00	4.5	0.0	0.0100	0.01	1.0e−01	
	8.2411e−01	−8.6744e+00	1.4320e+02	−1.6993e+02	1.3524e+01	−1.1808e+00	1.0125e+02	1.7875e+00
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.07 2.51	12.16 52.22	56.93 40.81
^{98}Nb	(pγ)^{99}Mo	9.7290e+00	1.0	0.5	0.0100	0.01	3.9e−02	
	−1.9430e+00	−9.0184e+00	1.6457e+02	−1.7542e+02	7.4657e+00	−4.2989e−01	1.1296e+02	2.2153e+01
	1.00 1.01	1.03 1.07	1.09 1.11	1.13 1.13	1.13 1.14	1.13 1.27	1.58 2.27	2.16 1.27
^{98}Nb	(pn)^{98}Mo	3.8040e+00	1.0	0.0	0.0100	0.01	4.0e−02	
	2.3893e+02	−1.1804e+01	4.6244e+02	−7.3816e+02	4.2465e+01	−2.5274e+00	3.6671e+02	2.4003e+02
	1.00 1.00	1.00 1.00	1.00 0.99	1.00 1.00	1.00 1.00	1.00 1.01	1.00 0.90	0.61 0.29
^{98}Nb	(pα)^{95}Zr	6.9960e+00	1.0	2.5	0.0100	0.01	5.3e−02	
	−4.4072e+01	−8.4466e+00	1.1446e+02	−8.7598e+01	5.5402e+00	−5.3673e−01	7.1429e+01	−4.6105e+01
	1.00 0.99	0.94 0.89	0.85 0.82	0.79 0.78	0.77 0.76	1.00 2.64	7.45 28.64	41.02 33.86
^{85}Mo	(pγ)^{86}Tc	5.6400e−01	1.5	2.0	0.0100	0.01	4.5e−02	0
	2.9309e+02	−1.1711e+01	4.8635e+02	−8.2123e+02	4.6257e+01	−2.6634e+00	3.9728e+02	3.1656e+02
^{85}Mo	(pα)^{82}Nb	1.3900e−01	1.5	1.0	0.0100	0.01	8.8e−02	0
	−6.1259e+02	1.8294e+01	−1.7946e+03	2.4675e+03	−1.3111e+02	6.8565e+00	−1.2461e+03	−6.1364e+02
^{86}Mo	(pγ)^{87}Tc	1.1010e+00	0.0	1.5	0.0150	0.01	4.7e−02	0
	2.9556e+02	−1.1768e+01	4.8863e+02	−8.2712e+02	4.8477e+01	−2.9449e+00	3.9899e+02	3.1786e+02
^{87}Mo	(pγ)^{88}Tc	1.9110e+00	3.5	1.0	0.0100	0.01	3.4e−02	0
	2.3623e+02	−1.1520e+01	4.5528e+02	−7.2576e+02	3.9349e+01	−2.2487e+00	3.6302e+02	2.6090e+02
^{88}Mo	(pγ)^{89}Tc	2.0820e+00	0.0	1.5	0.0100	0.01	4.2e−02	0
	2.7964e+02	−1.1763e+01	4.8033e+02	−8.0073e+02	4.6562e+01	−2.8120e+00	3.8934e+02	3.0194e+02
^{89}Mo	(pγ)^{90}Tc	3.5730e+00	4.5	1.0	0.0100	0.01	3.0e−02	
	2.3838e+02	−1.1631e+01	4.5968e+02	−7.3268e+02	4.0132e+01	−2.3065e+00	3.6603e+02	2.6327e+02
	1.00 1.00	1.00 1.00	1.00 1.01	1.01 1.00	1.00 1.00	1.01 0.99	0.91 0.57	0.24 0.08
^{90}Mo	(pγ)^{91}Tc	3.1050e+00	0.0	4.5	0.0100	0.01	3.2e−02	
	3.1282e+02	−1.2086e+01	5.0782e+02	−8.6538e+02	5.1247e+01	−3.0736e+00	4.1509e+02	3.3421e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.04	1.12 1.04	0.50 0.16
^{91}Mo	(pγ)^{92}Tc	4.0200e+00	4.5	8.0	0.0100	0.01	4.2e−02	
	2.4600e+02	−1.1706e+01	4.6266e+02	−7.4469e+02	4.1828e+01	−2.4513e+00	3.6936e+02	2.6916e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.97 0.63	0.27 0.10
^{92}Mo	(pγ)^{93}Tc	4.0870e+00	0.0	4.5	0.0100	0.01	3.0e−02	
	2.8965e+02	−1.2034e+01	4.9469e+02	−8.2626e+02	4.8370e+01	−2.8855e+00	4.0066e+02	3.1104e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.03 1.00	0.55 0.19
^{93}Mo	(pγ)^{94}Tc	4.6400e+00	2.5	7.0	0.0100	0.01	5.9e−02	
	2.1290e+02	−1.1553e+01	4.3978e+02	−6.8465e+02	3.7171e+01	−2.1577e+00	3.4609e+02	2.3568e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.91 0.48	0.18 0.07
^{93}Mo	(pα)^{90}Nb	7.1800e−01	2.5	8.0	0.0100	0.01	7.9e−01	
	−1.0720e+03	2.4161e+01	−2.3644e+03	3.5556e+03	−1.9626e+02	1.0509e+01	−1.7406e+03	−1.0744e+03
	1.00 1.00	1.00 1.00	1.00 1.02	1.08 1.25	1.58 2.04	6.52 16.20	29.03 63.36	65.48 42.04
^{94}Mo	(pγ)^{95}Tc	4.8950e+00	0.0	4.5	0.0100	0.01	5.9e−02	
	2.3064e+02	−1.1693e+01	4.5183e+02	−7.1750e+02	4.0506e+01	−2.4472e+00	3.5798e+02	2.5203e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.02	0.96 0.50	0.14 0.04
^{94}Mo	(pα)^{91}Nb	3.0920e+00	0.0	4.5	0.0100	0.01	7.0e−01	
	−7.6071e+02	1.8535e+00	−7.9324e+02	1.6325e+03	−1.1256e+02	7.0506e+00	−6.8550e+02	−7.6435e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.41 1.97	2.04 2.29	4.28 6.23
^{95}Mo	(pγ)^{96}Tc	5.3990e+00	2.5	7.0	0.0100	0.01	3.6e−02	
	2.0453e+02	−1.1732e+01	4.4824e+02	−6.8244e+02	3.4466e+01	−1.8087e+00	3.4993e+02	2.2730e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.95 0.79	0.61 0.34	0.17 0.08

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{95}Mo	$(p\alpha)^{92}$Nb	3.6060e+00	2.5	7.0	0.0100	0.01	1.2e+00	
	−4.8554e+02	−6.1645e−01	−5.5578e+02	1.0844e+03	−7.0787e+01	4.2911e+00	−4.6566e+02	−4.8780e+02
	1.00 1.00	1.00 1.00	1.02 1.03	1.05 1.06	1.07 1.08	1.12 1.72	2.86 6.74	12.63 13.98
^{96}Mo	$(p\gamma)^{97}$Tc	5.7190e+00	0.0	4.5	0.0100	0.01	7.0e−02	
	1.7114e+02	−1.1462e+01	4.1827e+02	−6.1623e+02	3.1069e+01	−1.7423e+00	3.2190e+02	1.9253e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.89	0.65 0.22	0.06 0.02
^{96}Mo	$(p\alpha)^{93}$Nb	3.2830e+00	0.0	4.5	0.0100	0.01	1.3e+00	
	−5.6150e+02	−4.6839e−01	−5.8483e+02	1.1986e+03	−8.2138e+01	5.1597e+00	−5.0194e+02	−5.6514e+02
	1.00 1.00	1.00 1.00	1.00 1.01	1.00 1.00	1.00 1.01	1.15 1.10	1.41 7.51	19.13 17.95
^{97}Mo	$(p\gamma)^{98}$Tc	6.1760e+00	2.5	6.0	0.0100	0.01	9.2e−02	
	3.3585e+02	−1.2335e+01	5.1710e+02	−9.0331e+02	5.5711e+01	−3.4253e+00	4.2546e+02	3.5877e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.93 0.85	0.74 0.44	0.20 0.08
^{97}Mo	$(p\alpha)^{94}$Nb	3.6890e+00	2.5	6.0	0.0100	0.01	5.3e−01	
	−7.4758e+02	3.1340e+00	−8.9620e+02	1.7147e+03	−1.0706e+02	6.1551e+00	−7.5373e+02	−7.4969e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.48 2.31	3.40 10.08	14.79 8.72
^{98}Mo	$(p\gamma)^{99}$Tc	6.5000e+00	0.0	4.5	0.0100	0.01	3.8e−02	
	1.8659e+02	−1.1810e+01	4.4523e+02	−6.5940e+02	3.1807e+01	−1.6019e+00	3.4387e+02	2.0798e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.95 0.76	0.53 0.21	0.09 0.04
^{98}Mo	$(p\alpha)^{95}$Nb	3.5340e+00	0.0	4.5	0.0100	0.01	1.6e+00	
	−4.0507e+02	−1.3929e+00	−4.8655e+02	9.1976e+02	−5.6528e+01	3.1871e+00	−4.0074e+02	−4.0871e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.05 1.66	3.90 24.34	41.10 21.62
^{99}Mo	$(p\gamma)^{100}$Tc	7.3390e+00	0.5	1.0	0.0100	0.01	3.7e−02	
	−6.4688e+01	−8.7873e+00	1.2393e+02	−6.2101e+01	−3.2853e+00	3.4786e−01	7.1469e+01	−4.1402e+01
	1.00 1.00	1.01 1.02	1.03 1.03	1.04 1.04	1.05 1.05	1.00 0.90	0.76 0.44	0.21 0.09
^{99}Mo	$(pn)^{99}$Tc	5.7500e−01	0.5	4.5	0.0100	0.01	4.3e−02	
	2.4047e+02	−1.2030e+01	4.7037e+02	−7.4819e+02	4.2586e+01	−2.4667e+00	3.7246e+02	2.3886e+02
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	1.00 1.00	1.01 1.00	1.00 1.02	1.02 0.77
^{99}Mo	$(p\alpha)^{96}$Nb	4.5020e+00	0.5	6.0	0.0100	0.01	8.2e−01	
	−6.7126e+02	1.2429e+00	−7.4376e+02	1.4769e+03	−9.6143e+01	5.7711e+00	−6.3432e+02	−6.7447e+02
	1.00 1.04	1.17 1.38	1.57 1.74	1.87 1.98	2.05 2.10	2.43 2.94	4.00 10.64	25.99 31.90
^{100}Mo	$(p\gamma)^{101}$Tc	7.4410e+00	0.0	4.5	0.0100	0.01	1.4e−01	
	2.6888e+02	−1.1859e+01	4.6056e+02	−7.7240e+02	4.6283e+01	−2.7874e+00	3.7172e+02	2.9027e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.91 0.84	0.73 0.44	0.25 0.18
^{100}Mo	$(p\alpha)^{97}$Nb	4.2870e+00	0.0	4.5	0.0100	0.01	9.3e−01	0
	−6.9956e+02	2.5730e+00	−8.5425e+02	1.6169e+03	−9.8773e+01	5.7038e+00	−7.1656e+02	−7.0320e+02
^{85}Tc	$(p\gamma)^{86}$Ru	1.8400e+00	1.5	0.0	0.7800	0.01	3.7e−02	0
	2.8975e+02	−1.1907e+01	4.9352e+02	−8.2496e+02	4.5735e+01	−2.5901e+00	4.0163e+02	3.1482e+02
^{85}Tc	$(p\alpha)^{82}$Mo	5.6000e−01	1.5	0.0	0.7800	0.01	1.1e−01	0
	−7.4208e+02	2.1392e+01	−2.0639e+03	2.8836e+03	−1.5197e+02	7.9265e+00	−1.4569e+03	−7.4202e+02
^{86}Tc	$(p\gamma)^{87}$Ru	2.3630e+00	2.0	1.5	0.0800	0.01	2.3e−02	0
	2.4209e+02	−1.1735e+01	4.6788e+02	−7.4445e+02	3.9026e+01	−2.1139e+00	3.7325e+02	2.6600e+02
^{86}Tc	$(p\alpha)^{83}$Mo	8.3200e−01	2.0	3.5	0.0800	0.01	2.5e−01	0
	−8.3784e+02	2.2206e+01	−2.1565e+03	3.0883e+03	−1.6557e+02	8.7976e+00	−1.5464e+03	−8.3964e+02
^{87}Tc	$(p\gamma)^{88}$Ru	3.5380e+00	1.5	0.0	0.2400	0.01	5.1e−02	0
	3.0317e+02	−1.2026e+01	5.0099e+02	−8.4763e+02	4.8077e+01	−2.7893e+00	4.0931e+02	3.2824e+02
^{87}Tc	$(p\alpha)^{84}$Mo	1.6800e−01	1.5	0.0	0.2400	0.01	6.0e−02	0
	−4.1687e+02	1.6837e+01	−1.6440e+03	2.0947e+03	−1.0577e+02	5.4067e+00	−1.0944e+03	−4.1681e+02
^{88}Tc	$(p\gamma)^{89}$Ru	3.7370e+00	1.0	2.5	0.0150	0.01	2.7e−02	0
	2.2229e+02	−1.1661e+01	4.5319e+02	−7.0740e+02	3.6906e+01	−2.0198e+00	3.5822e+02	2.4529e+02
^{89}Tc	$(p\gamma)^{90}$Ru	4.5540e+00	1.5	0.0	0.0650	0.01	3.5e−02	0
	2.4292e+02	−1.1824e+01	4.6821e+02	−7.4663e+02	4.0518e+01	−2.3101e+00	3.7312e+02	2.6799e+02
^{89}Tc	$(p\alpha)^{86}$Mo	5.6900e−01	1.5	0.0	0.0650	0.01	1.3e−01	0
	−6.2146e+02	1.9720e+01	−1.9146e+03	2.6000e+03	−1.3647e+02	7.2056e+00	−1.3267e+03	−6.2141e+02
^{90}Tc	$(p\gamma)^{91}$Ru	4.5810e+00	1.0	4.5	0.0100	0.01	3.7e−02	0
	2.2388e+02	−1.1751e+01	4.5639e+02	−7.1337e+02	3.8042e+01	−2.1345e+00	3.6062e+02	2.4637e+02
^{90}Tc	$(p\alpha)^{87}$Mo	1.2700e+00	1.0	3.5	0.0100	0.01	6.5e+00	0
	−1.3792e+03	2.4177e+01	−2.4673e+03	4.0063e+03	−2.3640e+02	1.3492e+01	−1.8935e+03	−1.3815e+03
^{91}Tc	$(p\gamma)^{92}$Ru	5.5540e+00	4.5	0.0	0.0250	0.01	2.8e−02	0
	2.8273e+02	−1.2155e+01	4.9728e+02	−8.2127e+02	4.7263e+01	−2.8110e+00	4.0125e+02	3.0872e+02
^{91}Tc	$(p\alpha)^{88}$Mo	8.4800e−01	4.5	0.0	0.0250	0.01	1.4e−01	0
	−5.9586e+02	2.0236e+01	−1.9519e+03	2.6093e+03	−1.3251e+02	6.7360e+00	−1.3463e+03	−5.9489e+02

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{92}Tc	$(p\gamma)^{93}$Ru	5.6200e+00	8.0	4.5	0.0100	0.01	4.0e−02	0
	2.4390e+02	−1.1937e+01	4.7050e+02	−7.5031e+02	4.1360e+01	−2.3701e+00	3.7429e+02	2.6812e+02
^{92}Tc	$(p\alpha)^{89}$Mo	9.3200e−01	8.0	4.5	0.0100	0.01	1.4e−01	0
	−6.4882e+02	2.0526e+01	−1.9860e+03	2.7063e+03	−1.4151e+02	7.3941e+00	−1.3811e+03	−6.4963e+02
^{93}Tc	$(p\gamma)^{94}$Ru	6.2480e+00	4.5	0.0	0.0200	0.01	3.4e−02	
	2.7023e+02	−1.2146e+01	4.8981e+02	−7.9956e+02	4.5388e+01	−2.6484e+00	3.9311e+02	2.9622e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.97 0.77	0.42 0.16
^{93}Tc	$(p\alpha)^{90}$Mo	1.4300e+00	4.5	0.0	0.0200	0.01	5.4e−01	
	−1.0033e+03	2.4647e+01	−2.3902e+03	3.5107e+03	−1.9095e+02	1.0261e+01	−1.7415e+03	−1.0024e+03
	1.00 1.00	1.00 1.01	1.03 1.09	1.19 1.34	1.51 1.69	3.38 4.95	7.13 15.05	30.48 54.26
^{94}Tc	$(p\gamma)^{95}$Ru	6.5790e+00	7.0	2.5	0.0100	0.01	5.0e−02	
	2.3148e+02	−1.1899e+01	4.6059e+02	−7.2683e+02	3.9962e+01	−2.2992e+00	3.6438e+02	2.5609e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 1.00	0.98 0.89	0.76 0.44	0.21 0.09
^{94}Tc	$(p\alpha)^{91}$Mo	2.9140e+00	7.0	4.5	0.0100	0.01	1.3e−01	
	−4.4085e+02	−4.7481e+00	−2.6322e+02	7.3134e+02	−5.1093e+01	3.0338e+00	−2.7435e+02	−4.4179e+02
	1.00 0.99	0.96 0.91	0.85 0.80	0.76 0.73	0.72 0.77	1.83 1.81	2.43 6.45	9.96 8.34
^{95}Tc	$(p\gamma)^{96}$Ru	7.3380e+00	4.5	0.0	0.0100	0.01	4.9e−02	
	2.2514e+02	−1.1911e+01	4.5797e+02	−7.1730e+02	3.9248e+01	−2.2748e+00	3.6100e+02	2.5114e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.89	0.73 0.41	0.18 0.06
^{95}Tc	$(p\alpha)^{92}$Mo	5.6530e+00	4.5	0.0	0.0100	0.01	4.2e−02	
	−5.6808e+01	−9.1143e+00	1.5555e+02	−1.0361e+02	−3.1041e+00	5.4623e−01	9.7748e+01	−5.5844e+01
	1.02 1.20	1.43 1.62	1.79 1.92	2.03 2.11	2.19 2.24	2.32 1.89	1.61 1.58	2.13 2.20
^{96}Tc	$(p\gamma)^{97}$Ru	7.5770e+00	7.0	2.5	0.0100	0.01	5.1e−02	
	2.6939e+02	−1.2343e+01	4.9862e+02	−8.0768e+02	4.5133e+01	−2.5755e+00	3.9838e+02	2.9400e+02
	1.00 1.03	0.98 0.97	0.95 0.93	0.91 0.88	0.85 0.82	0.55 0.42	0.34 0.25	0.16 0.08
^{96}Tc	$(p\alpha)^{93}$Mo	5.8500e+00	7.0	2.5	0.0100	0.01	4.9e−02	
	1.3058e+01	−9.2491e+00	1.7732e+02	−2.0707e+02	8.8850e+00	−4.4416e−01	1.2764e+02	1.2635e+01
	1.04 1.52	1.79 2.03	2.17 2.21	2.18 2.11	2.01 1.90	1.40 1.55	1.94 3.34	3.60 2.10
^{97}Tc	$(p\gamma)^{98}$Ru	8.2920e+00	4.5	0.0	0.0100	0.01	3.1e−02	
	2.5326e+02	−1.2298e+01	4.8993e+02	−7.8068e+02	4.2430e+01	−2.3665e+00	3.8898e+02	2.7925e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.98	0.80 0.64	0.53 0.34	0.17 0.07
^{97}Tc	$(p\alpha)^{94}$Mo	6.0540e+00	4.5	0.0	0.0100	0.01	5.3e−02	
	1.0514e+02	−1.0511e+01	2.8986e+02	−4.2313e+02	2.2058e+01	−1.1409e+00	2.2417e+02	1.0611e+02
	1.00 1.01	1.07 1.18	1.31 1.43	1.54 1.61	1.65 1.63	1.23 1.36	1.68 2.84	5.82 6.66
^{98}Tc	$(p\gamma)^{99}$Ru	8.4780e+00	6.0	2.5	0.0100	0.01	6.8e−02	
	2.5796e+02	−1.2131e+01	4.7493e+02	−7.7425e+02	4.4748e+01	−2.6399e+00	3.7929e+02	2.8243e+02
	0.99 0.92	0.87 0.83	0.79 0.76	0.73 0.71	0.70 0.69	0.67 0.66	0.60 0.39	0.22 0.11
^{98}Tc	$(pn)^{98}$Ru	1.0140e+00	6.0	0.0	0.0100	0.01	3.9e−02	
	−3.5030e+01	−8.8707e+00	1.3246e+02	−9.9337e+01	1.2627e−01	1.6017e−01	8.4467e+01	−3.2465e+01
	1.38 1.60	1.53 1.48	1.41 1.33	1.26 1.20	1.16 1.13	1.04 1.01	1.02 1.01	0.96 0.79
^{98}Tc	$(p\alpha)^{95}$Mo	6.1440e+00	6.0	2.5	0.0100	0.01	6.0e−02	
	−2.0382e+01	−8.9202e+00	1.4132e+02	−1.3553e+02	4.3510e+00	−8.4029e−02	9.5735e+01	−2.0949e+01
	1.00 1.08	1.35 1.63	1.89 2.13	2.33 2.45	2.46 2.40	1.76 2.14	2.48 3.97	13.69 39.66
^{99}Tc	$(p\gamma)^{100}$Ru	9.1840e+00	4.5	0.0	0.0100	0.01	8.6e−02	
	2.6259e+02	−1.2050e+01	4.6776e+02	−7.7315e+02	4.5953e+01	−2.8048e+00	3.7531e+02	2.8858e+02
	1.00 1.00	1.00 0.99	0.97 0.94	0.92 0.89	0.87 0.84	0.78 0.76	0.68 0.40	0.17 0.07
^{99}Tc	$(p\alpha)^{96}$Mo	6.3320e+00	4.5	0.0	0.0100	0.01	4.8e−02	
	−1.5963e+02	−7.9715e+00	3.5829e+01	1.2433e+02	−1.5005e+01	1.1830e+00	−7.4799e+00	−1.5866e+02
	1.00 1.00	1.01 1.00	1.01 1.02	1.05 1.08	1.14 1.19	1.77 1.93	2.06 3.71	14.36 39.86
^{100}Tc	$(p\gamma)^{101}$Ru	9.2220e+00	1.0	2.5	0.0100	0.01	4.2e−02	
	−8.2610e+00	−9.5838e+00	1.8546e+02	−1.8713e+02	5.2278e+00	−1.2754e−01	1.2554e+02	1.4737e+01
	1.00 1.00	1.01 1.01	1.03 1.05	1.08 1.09	1.11 1.11	1.04 0.93	0.84 0.95	1.04 0.63
^{100}Tc	$(pn)^{100}$Ru	2.4200e+00	1.0	0.0	0.0100	0.01	4.1e−02	
	2.6316e+02	−1.2409e+01	4.9417e+02	−7.9859e+02	4.6575e+01	−2.7798e+00	3.9358e+02	2.6426e+02
	1.00 1.00	1.00 1.00	1.01 1.01	1.01 1.00	1.00 1.00	0.99 0.99	1.00 1.04	0.82 0.40
^{100}Tc	$(p\alpha)^{97}$Mo	6.3890e+00	1.0	2.5	0.0100	0.01	4.5e−02	
	8.2086e+01	−1.0260e+01	2.5886e+02	−3.7351e+02	2.3031e+01	−1.5145e+00	1.9788e+02	8.0052e+01
	1.00 1.00	1.00 1.01	1.02 1.02	1.01 1.00	0.98 0.97	0.89 1.00	2.04 15.10	21.99 10.55
^{101}Tc	$(p\gamma)^{102}$Ru	1.0051e+01	4.5	0.0	0.0100	0.01	4.3e−02	
	5.0104e+00	−9.5707e+00	1.8394e+02	−2.0257e+02	8.9785e+00	−5.3181e−01	1.2686e+02	3.1004e+01
	0.89 0.83	0.83 0.83	0.83 0.84	0.85 0.86	0.86 0.86	0.88 0.95	1.10 1.50	1.19 0.54

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{101}Tc	(pn)^{101}Ru	8.3200e−01	4.5	2.5	0.0100	0.01	4.4e−02	
	2.5453e+02	−1.2380e+01	4.8826e+02	−7.8305e+02	4.5529e+01	−2.7509e+00	3.8756e+02	2.5505e+02
	1.02 1.01	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.86	0.47 0.17
^{101}Tc	(pα)^{98}Mo	6.6410e+00	4.5	0.0	0.0100	0.01	4.2e−02	
	3.4797e+01	−9.7011e+00	2.0410e+02	−2.6876e+02	1.8118e+01	−1.3503e+00	1.5017e+02	3.5758e+01
	1.16 1.28	1.35 1.41	1.46 1.50	1.54 1.56	1.59 1.63	1.92 2.66	6.00 33.41	48.60 28.64
^{102}Tc	(pγ)^{103}Ru	9.9800e+00	1.0	1.5	0.0100	0.01	4.0e−02	
	−4.6663e+01	−9.3306e+00	1.5464e+02	−1.1341e+02	−6.5204e−01	3.0573e−01	9.6174e+01	−2.3259e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.96 0.86	0.76 0.72	0.98 0.99
^{102}Tc	(pn)^{102}Ru	3.7470e+00	1.0	0.0	0.0100	0.01	4.6e−02	
	2.4821e+02	−1.2421e+01	4.8844e+02	−7.7557e+02	4.4188e+01	−2.5794e+00	3.8626e+02	2.4931e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.01 1.00	1.00 0.99	0.87 0.58
^{102}Tc	(pα)^{99}Mo	6.2620e+00	1.0	0.5	0.0100	0.01	1.2e+00	0
	−5.3529e+02	−7.8426e−02	−6.3599e+02	1.2193e+03	−7.5761e+01	4.4329e+00	−5.3425e+02	−5.3623e+02
^{89}Ru	(pγ)^{90}Rh	6.2200e−01	2.5	3.0	0.0100	0.01	4.1e−02	0
	3.8298e+01	−9.2998e+00	1.9024e+02	−2.3844e+02	8.3275e+00	−3.3963e−01	1.4028e+02	6.1833e+01
^{90}Ru	(pγ)^{91}Rh	1.1370e+00	0.0	2.5	0.0200	0.01	4.6e−02	0
	3.1963e+01	−9.3437e+00	1.8925e+02	−2.3104e+02	9.0965e+00	−5.0038e−01	1.3777e+02	5.3861e+01
^{91}Ru	(pγ)^{92}Rh	1.8570e+00	4.5	1.0	0.0100	0.01	4.2e−02	0
	−1.3258e+01	−9.2384e+00	1.6943e+02	−1.5920e+02	2.0960e+00	5.5838e−02	1.1407e+02	1.1636e+01
^{92}Ru	(pγ)^{93}Rh	2.0020e+00	0.0	2.5	0.0100	0.01	3.3e−02	0
	3.1943e+02	−1.2563e+01	5.2660e+02	−8.9275e+02	5.2667e+01	−3.1641e+00	4.2932e+02	3.4133e+02
^{93}Ru	(pγ)^{94}Rh	2.7650e+00	4.5	3.0	0.0100	0.01	4.2e−02	0
	2.7226e+02	−1.2331e+01	4.9702e+02	−8.0951e+02	4.5805e+01	−2.6901e+00	3.9862e+02	2.9630e+02
^{94}Ru	(pγ)^{95}Rh	3.0620e+00	0.0	4.5	0.0100	0.01	3.0e−02	0
	3.2400e+02	−1.2699e+01	5.3390e+02	−9.0490e+02	5.3216e+01	−3.1542e+00	4.3505e+02	3.4538e+02
^{95}Ru	(pγ)^{96}Rh	3.4640e+00	2.5	6.0	0.0100	0.01	4.6e−02	
	2.6735e+02	−1.2339e+01	4.9215e+02	−7.9952e+02	4.5509e+01	−2.6833e+00	3.9380e+02	2.9026e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.96 0.66	0.29 0.10
^{95}Ru	(pα)^{92}Tc	3.5500e−01	2.5	8.0	0.0100	0.01	6.4e−02	
	−4.7349e+02	1.7264e+01	−1.7018e+03	2.2172e+03	−1.1514e+02	5.9224e+00	−1.1415e+03	−4.7587e+02
	1.00 1.00	1.00 1.00	1.01 1.04	1.11 1.21	1.34 1.52	7.01 18.39	31.63 62.10	77.18 68.20
^{96}Ru	(pγ)^{97}Rh	3.8060e+00	0.0	4.5	0.0100	0.01	4.4e−02	
	2.8062e+02	−1.2448e+01	5.0075e+02	−8.2388e+02	4.8187e+01	−2.9143e+00	4.0230e+02	3.0201e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.06	1.12 0.93	0.39 0.11
^{96}Ru	(pα)^{93}Tc	2.4010e+00	0.0	4.5	0.0100	0.01	5.4e+00	
	−1.6212e+03	2.2961e+01	−2.4964e+03	4.3086e+03	−2.6100e+02	1.5026e+01	−1.9889e+03	−1.6248e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.03 1.06	2.74 5.64	7.79 8.76	7.29 6.79
^{97}Ru	(pγ)^{98}Rh	4.3490e+00	2.5	2.0	0.0100	0.01	5.8e−02	
	2.2544e+02	−1.2158e+01	4.6511e+02	−7.2569e+02	3.9849e+01	−2.3308e+00	3.6572e+02	2.4931e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.94	0.82 0.47	0.19 0.07
^{97}Ru	(pα)^{94}Tc	2.9120e+00	2.5	7.0	0.0100	0.01	1.2e+01	
	−1.5086e+03	2.1099e+01	−2.3455e+03	4.0349e+03	−2.4470e+02	1.4214e+01	−1.8663e+03	−1.5108e+03
	1.00 1.00	1.00 1.01	1.02 1.05	1.09 1.13	1.19 1.24	1.86 2.22	3.00 6.36	11.05 11.47
^{98}Ru	(pγ)^{99}Rh	4.5790e+00	0.0	0.5	0.0100	0.01	5.5e−02	
	2.4859e+02	−1.2341e+01	4.8173e+02	−7.6976e+02	4.4334e+01	−2.7121e+00	3.8199e+02	2.7159e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.03	1.01 0.62	0.20 0.05
^{98}Ru	(pα)^{95}Tc	2.6570e+00	0.0	4.5	0.0100	0.01	7.1e+00	
	−1.6000e+03	2.2451e+01	−2.4613e+03	4.2521e+03	−2.5856e+02	1.4995e+01	−1.9622e+03	−1.6037e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.03 1.06	2.04 3.26	3.47 4.96	11.03 10.24
^{99}Ru	(pγ)^{100}Rh	5.2610e+00	2.5	1.0	0.0100	0.01	4.2e−02	
	−6.4529e+01	−9.2347e+00	1.4064e+02	−7.3536e+01	−4.6338e+00	5.2791e−01	8.2106e+01	−4.0145e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.93 0.74	0.60 0.40	0.19 0.07
^{99}Ru	(pα)^{96}Tc	3.0650e+00	2.5	7.0	0.0100	0.01	1.7e+01	
	−1.4185e+03	2.0662e+01	−2.2981e+03	3.8842e+03	−2.3020e+02	1.3061e+01	−1.8145e+03	−1.4207e+03
	1.00 1.00	0.99 1.00	1.04 1.08	1.13 1.19	1.26 1.33	1.66 2.24	3.11 7.32	9.14 5.14
^{100}Ru	(pγ)^{101}Rh	5.4780e+00	0.0	0.5	0.0100	0.01	4.0e−02	
	−1.0660e+02	−8.7401e+00	9.2341e+01	2.0958e+01	−9.5247e+00	6.8168e−01	3.9966e+01	−8.3598e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.94	0.76 0.33	0.09 0.03
^{100}Ru	(pα)^{97}Tc	2.8660e+00	0.0	4.5	0.0100	0.01	1.4e+01	
	−1.4976e+03	2.1011e+01	−2.3380e+03	4.0138e+03	−2.4380e+02	1.4209e+01	−1.8569e+03	−1.5012e+03

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.00 1.00	1.00 1.00	1.00 1.01	1.02 1.04	1.08 1.12	1.77 1.91	2.50 7.94	22.95 29.54
^{101}Ru	$(p\gamma)^{102}$Rh	6.1150e+00	2.5	1.0	0.0100	0.01	6.9e−02	
	4.8552e+01	−9.7066e+00	1.9603e+02	−2.5905e+02	1.3269e+01	−8.4353e−01	1.4464e+02	7.2936e+01
	1.00 1.00	1.00 1.00	1.00 0.99	0.98 0.96	0.93 0.91	0.82 0.90	0.83 0.52	0.21 0.06
^{101}Ru	$(p\alpha)^{98}$Tc	3.3430e+00	2.5	6.0	0.0100	0.01	8.6e+00	
	−1.3280e+03	2.1058e+01	−2.3061e+03	3.7906e+03	−2.1795e+02	1.2007e+01	−1.7977e+03	−1.3301e+03
	1.00 1.00	1.00 1.08	1.66 3.05	5.67 10.30	17.38 24.97	4.70 2.94	4.34 8.34	5.53 1.82
^{102}Ru	$(p\gamma)^{103}$Rh	6.2130e+00	0.0	0.5	0.0100	0.01	4.1e−02	
	−9.2254e+01	−9.1474e+00	1.2250e+02	−2.4110e+01	−8.5965e+00	7.7088e−01	6.3543e+01	−6.9256e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.95 0.76	0.55 0.28	0.11 0.03
^{102}Ru	$(p\alpha)^{99}$Tc	3.0890e+00	0.0	4.5	0.0100	0.01	1.7e+01	
	−1.4015e+03	2.0686e+01	−2.2963e+03	3.8634e+03	−2.2971e+02	1.3191e+01	−1.8072e+03	−1.4051e+03
	1.00 1.00	1.00 1.00	1.00 1.01	1.03 1.06	1.11 1.17	1.54 2.25	3.47 11.45	38.77 62.45
^{103}Ru	$(p\gamma)^{104}$Rh	6.9800e+00	1.5	1.0	0.0100	0.01	4.2e−02	
	−6.8892e+01	−9.3821e+00	1.4121e+02	−7.5107e+01	−2.7305e+00	2.8431e−01	8.0988e+01	−4.4913e+01
	1.14 1.10	1.09 1.10	1.10 1.09	1.08 1.08	1.07 1.07	1.02 0.93	0.81 0.49	0.20 0.06
^{103}Ru	$(p\alpha)^{100}$Tc	3.6220e+00	1.5	1.0	0.0100	0.01	1.1e+01	
	−1.5398e+03	2.2393e+01	−2.4590e+03	4.1775e+03	−2.4737e+02	1.4000e+01	−1.9489e+03	−1.5409e+03
	0.99 0.93	0.95 0.98	1.00 1.05	1.11 1.18	1.25 1.31	1.70 2.07	3.11 11.76	18.30 10.37
^{104}Ru	$(p\gamma)^{105}$Rh	7.0450e+00	0.0	3.5	0.0100	0.01	6.9e−02	
	6.1679e+01	−1.0386e+01	2.4439e+02	−3.2023e+02	1.4292e+01	−7.5122e−01	1.8010e+02	8.3291e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.98	0.78 0.71	0.73 0.51	0.14 0.05
^{104}Ru	$(p\alpha)^{101}$Tc	3.1090e+00	0.0	4.5	0.0100	0.01	5.7e+00	0
	−1.3609e+03	2.1475e+01	−2.3484e+03	3.8664e+03	−2.2259e+02	1.2424e+01	−1.8324e+03	−1.3645e+03
^{87}Rh	$(p\gamma)^{88}$Pd	5.2300e−01	2.5	0.0	n.c.	0.01	4.5e−02	0
	1.9885e+01	−9.5242e+00	2.0118e+02	−2.3255e+02	6.2952e+00	−1.7629e−01	1.4492e+02	4.5366e+01
^{88}Rh	$(p\gamma)^{89}$Pd	6.8700e−01	1.0	1.5	n.c.	0.01	4.5e−02	0
	2.3218e+01	−9.6091e+00	2.0473e+02	−2.3528e+02	5.7120e+00	−4.5281e−02	1.4689e+02	4.6619e+01
^{89}Rh	$(p\gamma)^{90}$Pd	1.5260e+00	2.5	0.0	1.0400	0.01	4.4e−02	0
	3.7361e+01	−9.4970e+00	1.9737e+02	−2.4539e+02	8.6537e+00	−3.7398e−01	1.4518e+02	6.2841e+01
^{90}Rh	$(p\gamma)^{91}$Pd	2.0220e+00	3.0	2.5	0.1200	0.01	4.3e−02	0
	−1.0735e+01	−9.4453e+00	1.8075e+02	−1.7267e+02	1.2376e+00	2.1715e−01	1.2285e+02	1.3109e+01
^{91}Rh	$(p\gamma)^{92}$Pd	3.1870e+00	2.5	0.0	0.3100	0.01	4.0e−02	0
	3.1702e+01	−9.3896e+00	1.8307e+02	−2.2473e+02	7.8672e+00	−3.3735e−01	1.3374e+02	5.7183e+01
^{92}Rh	$(p\gamma)^{93}$Pd	3.3940e+00	1.0	3.5	0.0300	0.01	4.3e−02	0
	−5.1375e+01	−9.1456e+00	1.4399e+02	−9.0350e+01	−3.8381e+00	5.0106e−01	8.8175e+01	−2.8667e+01
^{93}Rh	$(p\gamma)^{94}$Pd	4.3650e+00	2.5	0.0	0.1250	0.01	4.6e−02	0
	5.0686e+00	−9.6926e+00	1.9510e+02	−2.0594e+02	4.9922e+00	−1.0276e−01	1.3532e+02	3.0550e+01
^{94}Rh	$(p\gamma)^{95}$Pd	4.3970e+00	3.0	4.5	0.0150	0.01	4.1e−02	0
	−3.5082e+01	−9.3523e+00	1.5878e+02	−1.2386e+02	−9.7286e−01	3.0107e−01	1.0165e+02	−1.1749e+01
^{94}Rh	$(p\alpha)^{91}$Ru	2.0000e−03	3.0	4.5	0.0150	0.01	2.0e−02	0
	−3.0602e+02	1.6027e+01	−1.5708e+03	1.8962e+03	−9.3316e+01	4.6784e+00	−1.0109e+03	−3.0771e+02
^{95}Rh	$(p\gamma)^{96}$Pd	5.1240e+00	4.5	0.0	0.0850	0.01	4.6e−02	0
	3.7866e+01	−9.9266e+00	2.1541e+02	−2.6347e+02	9.9668e+00	−4.4487e−01	1.5618e+02	6.3858e+01
^{95}Rh	$(p\alpha)^{92}$Ru	4.8800e−01	4.5	0.0	0.0850	0.01	4.1e−02	0
	−5.3312e+02	2.0142e+01	−1.9369e+03	2.5205e+03	−1.2658e+02	6.3816e+00	−1.3124e+03	−5.3215e+02
^{96}Rh	$(p\gamma)^{97}$Pd	5.4630e+00	6.0	2.5	0.0100	0.01	4.1e−02	0
	−3.3168e+01	−9.2890e+00	1.4974e+02	−1.1835e+02	4.8243e−01	9.3713e−02	9.5646e+01	−8.7049e+00
^{96}Rh	$(p\alpha)^{93}$Ru	2.5110e+00	6.0	4.5	0.0100	0.01	4.5e+00	0
	−1.2796e+03	6.6758e+00	−1.3184e+03	2.7286e+03	−1.7957e+02	1.0820e+01	−1.1650e+03	−1.2807e+03
^{97}Rh	$(p\gamma)^{98}$Pd	6.0000e+00	4.5	0.0	0.0100	0.01	4.0e−02	
	−3.8164e+01	−9.2934e+00	1.4655e+02	−1.0978e+02	−6.6046e−02	1.2854e−01	9.2135e+01	−1.2171e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.97	0.91 0.63	0.29 0.10
^{97}Rh	$(p\alpha)^{94}$Ru	4.8430e+00	4.5	0.0	0.0100	0.01	1.0e+00	
	−7.4012e+02	1.5456e+00	−8.0363e+02	1.6241e+03	−1.1005e+02	6.8556e+00	−6.9136e+02	−7.3915e+02
	1.00 1.00	1.00 1.01	1.02 1.04	1.09 1.15	1.23 1.32	2.18 2.44	2.39 2.30	2.79 3.64
^{98}Rh	$(p\gamma)^{99}$Pd	6.2710e+00	2.0	2.5	0.0100	0.01	3.9e−02	
	−7.8164e+01	−9.0057e+00	1.1366e+02	−3.1677e+01	−5.9661e+00	5.3285e−01	6.0569e+01	−5.4656e+01
	1.84 1.82	1.75 1.67	1.60 1.53	1.48 1.43	1.39 1.36	1.20 1.17	1.05 0.65	0.32 0.13
^{98}Rh	$(p\alpha)^{95}$Ru	5.1420e+00	2.0	2.5	0.0100	0.01	7.8e−02	
	−1.7999e+02	−8.7103e+00	7.0078e+01	1.1613e+02	−1.7924e+01	1.4423e+00	9.7801e+00	−1.8151e+02

Target	Reaction		Q		J_i		J_f		$T_\mathrm{low}^\mathrm{HF}$		$T_\mathrm{low}^\mathrm{fit}$		Dev		SEF	
	a_0		a_1		a_2		a_3		a_4		a_5		a_6		a_0^rev	
T_9^SEF:	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	2.0	3.0	4.0	6.0	8.0	10.0
	87.86	38.89	16.98	6.58	2.93	1.77	1.37	1.21	1.13	1.08	1.02	1.06	1.05	1.34	2.26	3.10
^{99}Rh	$(p\gamma)^{100}$Pd		7.0010e+00		0.5		0.0		0.0100		0.01		4.0e−02			
	−8.4466e+01		−9.0190e+00		1.1155e+02		−2.3439e+01		−6.2850e+00		5.0296e−01		5.7866e+01		−6.0082e+01	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.02	0.96	0.63	0.27	0.10
^{99}Rh	$(p\alpha)^{96}$Ru		5.4160e+00		0.5		0.0		0.0100		0.01		4.6e−02			
	−1.2005e+02		−9.1031e+00		1.1533e+02		4.3883e+00		−1.0710e+01		1.0360e+00		5.5828e+01		−1.2069e+02	
	1.00	0.91	0.74	0.62	0.54	0.48	0.43	0.41	0.38	0.37	0.34	0.36	0.38	0.60	1.28	2.33
^{100}Rh	$(p\gamma)^{101}$Pd		7.1280e+00		1.0		2.5		0.0100		0.01		4.2e−02			
	−4.5571e+01		−9.4535e+00		1.5043e+02		−1.0578e+02		−1.3144e+00		2.7710e−01		9.2732e+01		−2.2573e+01	
	1.39	1.37	1.33	1.31	1.38	1.59	1.89	2.25	2.66	3.08	5.36	3.31	1.92	0.78	0.32	0.12
^{100}Rh	$(p\alpha)^{97}$Ru		5.3810e+00		1.0		2.5		0.0100		0.01		3.9e−02			
	−1.0239e+02		−8.8915e+00		9.7739e+01		−8.9718e−01		−5.8922e+00		5.0641e−01		4.6387e+01		−1.0442e+02	
	46.79	21.98	11.79	7.31	5.40	4.73	4.44	4.20	4.00	3.82	1.75	1.11	1.13	1.55	2.59	4.15
^{101}Rh	$(p\gamma)^{102}$Pd		7.8070e+00		0.5		0.0		0.0100		0.01		4.4e−02			
	−5.0051e+01		−9.5605e+00		1.5596e+02		−1.0615e+02		−1.9308e+00		3.2695e−01		9.5606e+01		−2.5667e+01	
	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.96	0.89	0.79	0.46	0.18	0.06
^{101}Rh	$(p\alpha)^{98}$Ru		5.6800e+00		0.5		0.0		0.0100		0.01		5.3e−02			
	6.6214e+00		−1.0057e+01		2.1018e+02		−2.3439e+02		8.7964e+00		−3.7159e−01		1.4817e+02		5.9734e+00	
	1.00	1.00	0.99	0.95	0.87	0.79	0.72	0.65	0.61	0.58	0.43	0.43	0.51	0.79	1.29	1.14
^{102}Rh	$(p\gamma)^{103}$Pd		7.9930e+00		1.0		2.5		0.0100		0.01		4.8e−02			
	−1.5585e+01		−9.8948e+00		1.8775e+02		−1.7940e+02		3.6225e+00		−3.9305e−02		1.2556e+02		7.4127e+00	
	1.02	1.16	1.31	1.43	1.57	1.80	2.05	2.32	2.52	2.64	1.95	1.30	0.96	0.50	0.22	0.09
^{102}Rh	$(pn)^{102}$Pd		3.6800e−01		1.0		0.0		0.0100		0.01		4.0e−02			
	−6.2291e+01		−9.3263e+00		1.3343e+02		−7.1289e+01		−2.4753e+00		3.4357e−01		7.7493e+01		−6.1192e+01	
	1.00	0.99	0.99	0.98	0.97	0.96	0.95	0.94	0.92	0.92	0.95	0.98	1.00	1.00	0.99	0.96
^{102}Rh	$(p\alpha)^{99}$Ru		5.7060e+00		1.0		2.5		0.0100		0.01		7.8e−01			
	−5.7724e+02		1.5421e+00		−7.7165e+02		1.4092e+03		−8.7524e+01		5.1512e+00		−6.3105e+02		−5.7927e+02	
	1.01	1.45	4.85	11.14	17.41	21.76	23.87	23.28	20.78	17.36	1.56	1.08	1.17	1.96	4.34	5.97
^{103}Rh	$(p\gamma)^{104}$Pd		8.6580e+00		0.5		0.0		0.0100		0.01		5.3e−02			
	1.8720e+01		−9.8298e+00		1.8682e+02		−2.1621e+02		8.7854e+00		−4.8545e−01		1.3171e+02		4.3104e+01	
	1.00	1.00	1.00	0.99	0.99	1.01	1.05	1.11	1.18	1.28	2.08	1.62	1.21	0.59	0.21	0.07
^{103}Rh	$(p\alpha)^{100}$Ru		6.0610e+00		0.5		0.0		0.0100		0.01		5.2e−02			
	−1.3603e+01		−9.4655e+00		1.5562e+02		−1.6088e+02		7.7159e+00		−5.0189e−01		1.0604e+02		−1.4252e+01	
	0.97	0.76	0.59	0.49	0.44	0.41	0.39	0.38	0.38	0.38	0.56	0.67	0.80	1.66	3.13	2.61
^{104}Rh	$(p\gamma)^{105}$Pd		8.7530e+00		1.0		2.5		0.0100		0.01		4.3e−02			
	−4.3914e+01		−9.7370e+00		1.6504e+02		−1.2624e+02		8.5616e−02		2.0959e−01		1.0350e+02		−2.0915e+01	
	1.00	1.01	1.08	1.20	1.30	1.36	1.39	1.39	1.39	1.38	1.19	1.01	0.83	0.63	0.52	0.30
^{104}Rh	$(pn)^{104}$Pd		1.6590e+00		1.0		0.0		0.0100		0.01		4.3e−02			
	−2.9675e+01		−9.7140e+00		1.6528e+02		−1.4048e+02		3.1671e+00		−1.1423e−01		1.0605e+02		−2.8576e+01	
	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.99	0.99	1.01	1.07	0.81	0.37
^{104}Rh	$(p\alpha)^{101}$Ru		5.8640e+00		1.0		2.5		0.0100		0.01		1.2e+00			
	−6.2305e+02		4.7507e−01		−7.1559e+02		1.3976e+03		−8.8810e+01		5.2081e+00		−6.0691e+02		−6.2509e+02	
	1.00	1.01	1.03	1.05	1.06	1.05	1.05	1.04	1.03	1.02	0.95	1.03	1.62	9.93	16.47	8.09
^{105}Rh	$(p\gamma)^{106}$Pd		9.3460e+00		3.5		0.0		0.0100		0.01		4.9e−02			
	−1.1115e+02		−9.2634e+00		1.0942e+02		4.4282e+00		−8.6539e+00		6.7251e−01		4.9185e+01		−8.5380e+01	
	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.00	0.94	0.83	0.68	0.35	0.13	0.04
^{105}Rh	$(p\alpha)^{102}$Ru		6.1150e+00		3.5		0.0		0.0100		0.01		1.2e+00			
	−7.4703e+02		1.0399e+00		−7.8982e+02		1.6120e+03		−1.0795e+02		6.6859e+00		−6.8612e+02		−7.4629e+02	
	1.00	1.00	1.00	1.01	1.03	1.06	1.09	1.11	1.14	1.16	1.38	1.49	1.64	3.30	11.45	20.37
^{106}Rh	$(p\gamma)^{107}$Pd		9.2980e+00		1.0		2.5		0.0100		0.01		4.4e−02			
	1.4029e+01		−1.0143e+01		2.0392e+02		−2.3250e+02		1.0172e+01		−5.6686e−01		1.4265e+02		3.7027e+01	
	1.00	1.01	1.05	1.12	1.21	1.26	1.29	1.30	1.30	1.29	1.18	1.24	1.40	1.77	1.49	0.74
^{106}Rh	$(pn)^{106}$Pd		2.7590e+00		1.0		0.0		0.0100		0.01		4.2e−02			
	−4.3895e+01		−9.6755e+00		1.5565e+02		−1.1449e+02		1.0508e+00		1.0453e−02		9.6253e+01		−4.2796e+01	
	1.00	1.00	1.02	1.02	1.03	1.04	1.03	1.02	1.02	1.02	1.00	1.00	0.98	0.84	0.49	0.19
^{106}Rh	$(p\alpha)^{103}$Ru		5.7610e+00		1.0		1.5		0.0100		0.01		9.7e−01			
	−7.0165e+02		1.6784e+00		−8.2490e+02		1.5924e+03		−9.8807e+01		5.6502e+00		−6.9756e+02		−7.0329e+02	
	1.00	1.00	1.00	0.98	0.94	0.91	0.87	0.85	0.83	0.82	1.05	2.01	5.06	28.81	49.50	33.79
^{93}Pd	$(p\gamma)^{94}$Ag		6.2400e−01		3.5		4.0		0.0150		0.01		4.3e−02			0
	4.2258e+01		−9.7217e+00		1.9800e+02		−2.5172e+02		9.4000e+00		−4.0165e−01		1.4602e+02		6.5830e+01	
^{94}Pd	$(p\gamma)^{95}$Ag		9.6000e−01		0.0		3.5		0.0650		0.01		4.7e−02			0

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	5.4907e+01	−9.9631e+00	2.1593e+02	−2.8490e+02	1.3018e+01	−7.3093e−01	1.6057e+02	7.6518e+01
^{95}Pd	(pγ)^{96}Ag	1.8660e+00	4.5	1.0	0.0100	0.01	4.8e−02	0
	5.1893e+00	−9.8243e+00	1.9295e+02	−2.0467e+02	5.3983e+00	−1.6524e−01	1.3386e+02	3.0083e+01
^{96}Pd	(pγ)^{97}Ag	1.7350e+00	0.0	4.5	0.0750	0.01	4.2e−02	0
	−3.7378e+01	−9.5660e+00	1.6349e+02	−1.3539e+02	1.5786e+00	3.4836e−02	1.0574e+02	−1.5990e+01
^{97}Pd	(pγ)^{98}Ag	2.3700e+00	2.5	5.0	0.0100	0.01	4.7e−02	0
	8.1617e+00	−9.8194e+00	1.8862e+02	−2.0401e+02	6.1178e+00	−2.2821e−01	1.3126e+02	3.1246e+01
^{98}Pd	(pγ)^{99}Ag	2.7140e+00	0.0	4.5	0.0100	0.01	4.7e−02	0
	1.4060e+01	−9.8624e+00	1.9056e+02	−2.1329e+02	7.7388e+00	−3.8907e−01	1.3362e+02	3.5448e+01
^{98}Pd	(pα)^{95}Rh	1.9050e+00	0.0	4.5	0.0100	0.01	2.3e+00	0
	−1.6056e+03	2.9989e+01	−2.9742e+03	4.7731e+03	−2.7487e+02	1.5279e+01	−2.2795e+03	−1.6093e+03
^{99}Pd	(pγ)^{100}Ag	3.2930e+00	2.5	5.0	0.0100	0.01	4.2e−02	
	−3.4014e+01	−9.5732e+00	1.5606e+02	−1.2466e+02	8.2398e−01	7.7812e−02	9.9320e+01	−1.0930e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.95	0.91 0.69	0.33 0.11
^{99}Pd	(pα)^{96}Rh	2.3350e+00	2.5	6.0	0.0100	0.01	1.9e+01	
	−1.8164e+03	2.4504e+01	−2.6896e+03	4.7191e+03	−2.8748e+02	1.6674e+01	−2.1676e+03	−1.8185e+03
	1.00 1.00	1.00 1.03	1.12 1.29	1.48 1.59	1.64 1.68	2.72 4.04	5.37 9.76	18.63 22.25
^{100}Pd	(pγ)^{101}Ag	3.2870e+00	0.0	4.5	0.0100	0.01	4.4e−02	
	−2.6348e+01	−9.6782e+00	1.6302e+02	−1.4132e+02	2.7954e+00	−1.0254e−01	1.0549e+02	−4.9593e+00
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.06	1.09 0.89	0.40 0.11
^{100}Pd	(pα)^{97}Rh	2.2210e+00	0.0	4.5	0.0100	0.01	3.6e+00	
	−1.5837e+03	2.9567e+01	−2.9436e+03	4.7206e+03	−2.7238e+02	1.5197e+01	−2.2548e+03	−1.5874e+03
	1.00 1.00	1.00 1.00	1.00 1.01	1.03 1.06	1.13 1.22	3.92 6.88	8.30 10.13	11.17 10.49
^{101}Pd	(pγ)^{102}Ag	3.8640e+00	2.5	5.0	0.0100	0.01	4.2e−02	
	−6.8230e+01	−9.3876e+00	1.3045e+02	−6.1772e+01	−3.2343e+00	2.8089e−01	7.4196e+01	−4.5145e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.91 0.61	0.24 0.07
^{101}Pd	(pα)^{98}Rh	2.6030e+00	2.5	2.0	0.0100	0.01	2.1e+01	
	−1.7345e+03	2.3694e+01	−2.6154e+03	4.5537e+03	−2.7544e+02	1.5869e+01	−2.0993e+03	−1.7357e+03
	1.00 0.99	0.98 0.99	1.11 1.36	1.63 1.81	1.83 1.81	1.82 1.99	2.93 8.08	12.67 10.63
^{102}Pd	(pγ)^{103}Ag	4.1540e+00	0.0	3.5	0.0100	0.01	4.4e−02	
	−4.5599e+01	−9.5886e+00	1.4824e+02	−1.0573e+02	7.1834e−01	−2.7452e−02	9.1169e+01	−2.3987e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.04	1.06 0.75	0.25 0.06
^{102}Pd	(pα)^{99}Rh	2.4520e+00	0.0	0.5	0.0100	0.01	3.6e+00	
	−1.6174e+03	3.0352e+01	−3.0145e+03	4.8314e+03	−2.7830e+02	1.5536e+01	−2.3108e+03	−1.6195e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.03	1.07 1.12	2.24 3.71	4.72 6.74	10.31 13.53
^{103}Pd	(pγ)^{104}Ag	4.9220e+00	2.5	5.0	0.0100	0.01	4.2e−02	
	−8.1005e+01	−9.4943e+00	1.3219e+02	−4.8421e+01	−5.8276e+00	5.4285e−01	7.2567e+01	−5.7920e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.97 0.82	0.68 0.44	0.19 0.06
^{103}Pd	(pα)^{100}Rh	2.9740e+00	2.5	1.0	0.0100	0.01	2.6e+01	
	−1.5269e+03	2.1324e+01	−2.3966e+03	4.1035e+03	−2.4581e+02	1.4067e+01	−1.9051e+03	−1.5276e+03
	1.00 0.99	1.00 1.03	1.15 1.42	2.02 2.92	3.76 4.26	3.06 2.99	3.61 8.66	11.24 6.46
^{104}Pd	(pγ)^{105}Ag	4.9660e+00	0.0	0.5	0.0100	0.01	4.4e−02	
	−9.9825e+01	−9.2336e+00	1.0642e+02	−2.4074e+00	−7.5667e+00	5.2937e−01	5.0826e+01	−7.6827e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.84 0.37	0.10 0.03
^{104}Pd	(pα)^{101}Rh	2.8810e+00	0.0	0.5	0.0100	0.01	1.4e+01	
	−1.5954e+03	2.2460e+01	−2.4873e+03	4.2714e+03	−2.5823e+02	1.4920e+01	−1.9772e+03	−1.5974e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.02	1.04 1.08	1.65 1.90	2.32 8.11	21.39 16.64
^{105}Pd	(pγ)^{106}Ag	5.8140e+00	2.5	1.0	0.0100	0.01	5.4e−02	
	5.2107e+00	−1.0259e+01	2.0417e+02	−2.1778e+02	6.7373e+00	−2.7228e−01	1.4036e+02	2.9595e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.81 0.81	0.78 0.46	0.16 0.05
^{105}Pd	(pα)^{102}Rh	3.2260e+00	2.5	1.0	0.0100	0.01	9.1e+00	0
	−1.1836e+03	2.2333e+01	−2.3731e+03	3.7024e+03	−2.0482e+02	1.1132e+01	−1.8027e+03	−1.1843e+03
^{106}Pd	(pγ)^{107}Ag	5.7900e+00	0.0	0.5	0.0100	0.01	4.1e−02	
	−1.2039e+02	−9.2587e+00	1.0033e+02	2.7802e+01	−1.1378e+01	8.6247e−01	4.2089e+01	−9.7387e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.86	0.66 0.27	0.08 0.02
^{106}Pd	(pα)^{103}Rh	2.9830e+00	0.0	0.5	0.0100	0.01	2.1e+01	
	−1.5034e+03	2.1763e+01	−2.4196e+03	4.0987e+03	−2.4416e+02	1.3928e+01	−1.9110e+03	−1.5054e+03
	1.00 1.00	1.00 1.00	1.00 1.01	1.01 1.04	1.07 1.12	1.61 2.07	3.38 15.07	29.45 17.41
^{107}Pd	(pγ)^{108}Ag	6.5200e+00	2.5	1.0	0.0100	0.01	3.8e−02	
	−1.2246e+02	−8.9689e+00	7.4477e+01	5.3369e+01	−1.1058e+01	7.9124e−01	2.3540e+01	−9.8072e+01
	1.00 1.00	1.00 0.99	0.99 0.99	1.02 1.05	1.08 1.11	1.08 0.91	0.73 0.36	0.13 0.04

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{107}Pd	$(p\alpha)^{104}$Rh	3.4420e+00	2.5	1.0	0.0100	0.01	8.9e+00	0
	−1.8644e+03	2.8131e+01	−2.9827e+03	5.0665e+03	−2.9540e+02	1.6443e+01	−2.3751e+03	−1.8651e+03
^{108}Pd	$(p\gamma)^{109}$Ag	6.4870e+00	0.0	0.5	0.0100	0.01	5.1e−02	
	−5.2117e+01	−1.0073e+01	1.7228e+02	−1.2028e+02	−2.0558e+00	3.5606e−01	1.0581e+02	−2.9118e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.90 0.69	0.53 0.30	0.09 0.02
^{108}Pd	$(p\alpha)^{105}$Rh	3.1910e+00	0.0	3.5	0.0100	0.01	1.5e+01	
	−1.4586e+03	2.2027e+01	−2.4316e+03	4.0595e+03	−2.3789e+02	1.3418e+01	−1.9084e+03	−1.4621e+03
	1.00 1.00	1.00 1.00	1.00 1.01	1.05 1.09	1.14 1.19	1.66 2.53	3.93 21.42	62.43 49.00
^{109}Pd	$(p\gamma)^{110}$Ag	7.1430e+00	2.5	1.0	0.0100	0.01	4.6e−02	
	−6.0252e+01	−9.8910e+00	1.5402e+02	−9.8021e+01	−1.3355e+00	1.9455e−01	9.1638e+01	−3.5867e+01
	1.00 1.00	1.00 1.01	1.01 1.02	1.03 1.03	1.02 1.02	0.94 0.85	0.74 0.41	0.15 0.05
^{109}Pd	$(pn)^{109}$Ag	3.3400e−01	2.5	0.5	0.0100	0.01	4.5e−02	
	−3.8290e+01	−1.0035e+01	1.6964e+02	−1.3529e+02	2.1125e+00	−1.6390e−02	1.0678e+02	−3.7191e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.01 1.00	1.00 1.00	1.00 1.05	0.90 0.45
^{109}Pd	$(p\alpha)^{106}$Rh	3.6240e+00	2.5	1.0	0.0100	0.01	1.3e+01	
	−1.6156e+03	2.3813e+01	−2.6028e+03	4.4047e+03	−2.5950e+02	1.4586e+01	−2.0596e+03	−1.6163e+03
	1.00 1.00	1.01 1.06	1.15 1.28	1.42 1.55	1.67 1.76	2.12 2.72	4.76 18.07	19.04 7.66
^{110}Pd	$(p\gamma)^{111}$Ag	7.1560e+00	0.0	0.5	0.0100	0.01	6.9e−02	
	6.6386e+01	−1.0799e+01	2.4801e+02	−3.3096e+02	1.6063e+01	−9.4524e−01	1.8323e+02	8.9385e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.99 0.98	0.79 0.75	0.68 0.39	0.12 0.03
^{110}Pd	$(p\alpha)^{107}$Rh	3.3750e+00	0.0	3.5	0.0100	0.01	8.4e+00	
	−1.5814e+03	2.4169e+01	−2.6207e+03	4.3855e+03	−2.5598e+02	1.4366e+01	−2.0630e+03	−1.5848e+03
	1.00 1.00	1.00 1.00	1.01 1.02	1.05 1.07	1.11 1.16	1.97 2.50	3.69 24.89	77.41 54.32
^{91}Ag	$(p\gamma)^{92}$Cd	4.6400e−01	3.5	0.0	n.c.	0.01	5.0e−02	0
	4.0543e+01	−1.0145e+01	2.2812e+02	−2.8462e+02	1.0170e+01	−4.2844e−01	1.6775e+02	6.6312e+01
^{92}Ag	$(p\gamma)^{93}$Cd	6.9300e−01	1.0	2.5	n.c.	0.01	4.7e−02	0
	2.4447e+01	−1.0059e+01	2.1469e+02	−2.4718e+02	6.2541e+00	−6.9995e−02	1.5376e+02	4.7443e+01
^{93}Ag	$(p\gamma)^{94}$Cd	1.4800e+00	3.5	0.0	n.c.	0.01	4.6e−02	0
	5.3819e+01	−1.0035e+01	2.1678e+02	−2.8424e+02	1.1612e+01	−5.5413e−01	1.6166e+02	7.9588e+01
^{94}Ag	$(p\gamma)^{95}$Cd	1.9510e+00	4.0	3.5	0.2000	0.01	4.6e−02	0
	−1.6809e+01	−9.8085e+00	1.8205e+02	−1.6837e+02	1.0646e+00	2.2259e−01	1.2203e+02	6.9988e+00
^{95}Ag	$(p\gamma)^{96}$Cd	3.2010e+00	3.5	0.0	0.4950	0.01	4.6e−02	0
	5.3749e+01	−9.9911e+00	2.0819e+02	−2.7597e+02	1.1712e+01	−5.7512e−01	1.5526e+02	7.9519e+01
^{96}Ag	$(p\gamma)^{97}$Cd	3.2580e+00	1.0	4.5	0.0750	0.01	4.5e−02	0
	−3.3045e+01	−9.7826e+00	1.7144e+02	−1.3958e+02	−6.2395e−01	3.1236e−01	1.1065e+02	−1.0558e+01
^{97}Ag	$(p\gamma)^{98}$Cd	4.3190e+00	4.5	0.0	0.3850	0.01	4.9e−02	0
	3.9038e+01	−1.0414e+01	2.3222e+02	−2.8244e+02	1.0406e+01	−4.3186e−01	1.6782e+02	6.5031e+01
^{98}Ag	$(p\gamma)^{99}$Cd	4.1080e+00	5.0	2.5	0.0500	0.01	4.5e−02	0
	−1.0114e+01	−9.9122e+00	1.8175e+02	−1.7697e+02	3.8501e+00	−7.7400e−02	1.2259e+02	1.4182e+01
^{98}Ag	$(p\alpha)^{95}$Pd	1.4730e+00	5.0	4.5	0.0500	0.01	9.3e+00	0
	−1.6546e+03	2.9079e+01	−2.9371e+03	4.7832e+03	−2.7806e+02	1.5632e+01	−2.2688e+03	−1.6559e+03
^{99}Ag	$(p\gamma)^{100}$Cd	4.8330e+00	4.5	0.0	0.0600	0.01	4.5e−02	0
	−1.6780e+01	−9.8667e+00	1.7455e+02	−1.6228e+02	2.7468e+00	2.6583e−03	1.1603e+02	9.2134e+00
^{99}Ag	$(p\alpha)^{96}$Pd	4.3150e+00	4.5	0.0	0.0600	0.01	9.8e−01	0
	−7.1220e+02	1.3561e+00	−8.0102e+02	1.5868e+03	−1.0538e+02	6.4477e+00	−6.8177e+02	−7.1124e+02
^{100}Ag	$(p\gamma)^{101}$Cd	4.8840e+00	5.0	2.5	0.0100	0.01	4.3e−02	0
	−5.7459e+01	−9.5342e+00	1.3811e+02	−8.0779e+01	−2.4222e+00	2.8350e−01	8.1979e+01	−3.3162e+01
^{100}Ag	$(p\alpha)^{97}$Pd	4.5050e+00	5.0	2.5	0.0100	0.01	1.1e+00	0
	−7.3501e+02	1.3913e+00	−8.1174e+02	1.6246e+03	−1.0875e+02	6.6999e+00	−6.9475e+02	−7.3574e+02
^{101}Ag	$(p\gamma)^{102}$Cd	5.4800e+00	4.5	0.0	0.0150	0.01	4.3e−02	
	−5.4105e+01	−9.6446e+00	1.4459e+02	−9.1690e+01	−1.4377e+00	2.0379e−01	8.6871e+01	−2.8112e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.91 0.61	0.26 0.08
^{101}Ag	$(p\alpha)^{98}$Pd	4.9340e+00	4.5	0.0	0.0150	0.01	1.1e+00	
	−7.6013e+02	1.5862e+00	−8.3641e+02	1.6770e+03	−1.1172e+02	6.8495e+00	−7.1817e+02	−7.5917e+02
	1.00 1.00	1.02 1.04	1.07 1.11	1.14 1.19	1.24 1.29	1.83 2.11	2.17 2.46	2.97 2.94
^{102}Ag	$(p\gamma)^{103}$Cd	5.9360e+00	5.0	2.5	0.0100	0.01	4.3e−02	
	−8.2608e+01	−9.4668e+00	1.2326e+02	−3.8611e+01	−5.4453e+00	4.7186e−01	6.6126e+01	−5.8311e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.95	0.84 0.50	0.23 0.09
^{102}Ag	$(p\alpha)^{99}$Pd	5.0110e+00	5.0	2.5	0.0100	0.01	1.0e+00	
	−7.6433e+02	1.7306e+00	−8.4804e+02	1.6938e+03	−1.1249e+02	6.8510e+00	−7.2616e+02	−7.6507e+02
	1.27 1.44	1.62 1.86	2.06 2.15	2.14 2.06	1.98 1.89	1.47 1.29	1.38 1.68	1.86 1.71

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{103}Ag	$(p\gamma)^{104}$Cd	6.4730e+00	3.5	0.0	0.0100	0.01	4.4e−02	
	−7.9676e+01	−9.5242e+00	1.2618e+02	−4.5228e+01	−4.6579e+00	3.8458e−01	6.8710e+01	−5.3906e+01
	1.01 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.91 0.57	0.23 0.08
^{103}Ag	$(p\alpha)^{100}$Pd	5.2990e+00	3.5	0.0	0.0100	0.01	1.1e+00	
	−8.0819e+02	1.8655e+00	−8.7140e+02	1.7666e+03	−1.1895e+02	7.3446e+00	−7.5252e+02	−8.0745e+02
	0.99 0.96	0.94 0.94	0.96 0.98	1.01 1.03	1.05 1.07	1.19 1.25	1.28 1.55	2.24 2.63
^{104}Ag	$(p\gamma)^{105}$Cd	6.5060e+00	5.0	2.5	0.0100	0.01	4.4e−02	
	−5.8891e+01	−9.7999e+00	1.4951e+02	−9.1750e+01	−1.9655e+00	2.6794e−01	8.9133e+01	−3.4593e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.83 0.73	0.68 0.49	0.24 0.09
^{104}Ag	$(p\alpha)^{101}$Pd	5.1800e+00	5.0	2.5	0.0100	0.01	1.0e+00	
	−7.3049e+02	1.5972e+00	−8.3455e+02	1.6412e+03	−1.0697e+02	6.3819e+00	−7.0943e+02	−7.3123e+02
	1.25 1.42	1.73 2.08	2.33 2.44	2.44 2.35	2.21 2.05	1.23 1.58	2.09 2.41	2.07 1.18
^{105}Ag	$(p\gamma)^{106}$Cd	7.3540e+00	0.5	0.0	0.0100	0.01	4.2e−02	
	−9.9308e+01	−9.5436e+00	1.1985e+02	−1.6161e+01	−8.1295e+00	6.7845e−01	6.0078e+01	−7.4923e+01
	1.02 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.95	0.85 0.50	0.20 0.07
^{105}Ag	$(p\alpha)^{102}$Pd	5.7220e+00	0.5	0.0	0.0100	0.01	1.4e+00	
	−7.4714e+02	1.0053e+00	−8.0022e+02	1.6275e+03	−1.1026e+02	6.8920e+00	−6.9190e+02	−7.4779e+02
	0.85 0.56	0.43 0.38	0.34 0.33	0.32 0.32	0.32 0.32	0.37 0.37	0.44 0.91	2.24 3.63
^{106}Ag	$(p\gamma)^{107}$Cd	7.3380e+00	1.0	2.5	0.0100	0.01	5.4e−02	
	−8.5313e+01	−9.6148e+00	1.2652e+02	−3.8878e+01	−6.4810e+00	6.0394e−01	6.7880e+01	−6.2315e+01
	1.00 1.01	1.04 1.17	1.35 1.56	1.89 2.29	2.72 3.10	3.67 2.48	1.55 0.62	0.23 0.08
^{106}Ag	$(p\alpha)^{103}$Pd	5.4050e+00	1.0	2.5	0.0100	0.01	1.4e+00	
	−7.2304e+02	1.6624e+00	−8.4272e+02	1.6410e+03	−1.0639e+02	6.4195e+00	−7.1372e+02	−7.2508e+02
	1.00 1.71	3.31 4.36	4.79 5.34	5.95 6.32	6.38 6.20	2.73 1.43	1.39 2.27	5.04 6.02
^{107}Ag	$(p\gamma)^{108}$Cd	8.1370e+00	0.5	0.0	0.0100	0.01	4.9e−02	
	−3.4683e+01	−1.0227e+01	1.8122e+02	−1.5001e+02	8.5151e−01	1.5423e−01	1.1590e+02	−1.0298e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	1.00 1.09	1.03 0.49	0.17 0.05
^{107}Ag	$(p\alpha)^{104}$Pd	5.8510e+00	0.5	0.0	0.0100	0.01	1.4e+00	
	−6.4312e+02	7.2447e−01	−7.6075e+02	1.4680e+03	−9.3354e+01	5.4866e+00	−6.4196e+02	−6.4377e+02
	1.00 0.98	0.90 0.77	0.66 0.58	0.53 0.49	0.46 0.44	0.40 0.58	0.84 1.93	2.55 1.58
^{108}Ag	$(p\gamma)^{109}$Cd	8.1910e+00	1.0	2.5	0.0100	0.01	4.9e−02	
	4.3999e+00	−1.0407e+01	2.0292e+02	−2.1730e+02	6.7225e+00	−2.6597e−01	1.4017e+02	2.7399e+01
	1.00 1.06	1.41 2.07	2.72 3.18	3.48 3.60	3.58 3.46	1.78 1.18	0.84 0.41	0.17 0.06
^{108}Ag	$(pn)^{108}$Cd	8.6700e−01	1.0	0.0	0.0100	0.01	4.5e−02	
	−8.8965e+01	−9.7092e+00	1.2793e+02	−3.7212e+01	−5.5504e+00	5.5255e−01	6.7443e+01	−8.7867e+01
	1.00 0.99	0.95 0.87	0.81 0.77	0.75 0.75	0.76 0.78	0.94 0.99	1.00 1.01	1.00 0.99
^{108}Ag	$(p\alpha)^{105}$Pd	5.6750e+00	1.0	2.5	0.0100	0.01	6.8e−01	
	−6.8645e+02	2.9566e+00	−9.2651e+02	1.6843e+03	−1.0347e+02	6.0348e+00	−7.5866e+02	−6.8849e+02
	1.01 3.04	13.03 31.47	50.00 60.00	58.27 47.60	34.43 22.69	1.41 1.37	1.66 3.25	7.13 14.17
^{109}Ag	$(p\gamma)^{110}$Cd	8.9190e+00	0.5	0.0	0.0100	0.01	3.9e−02	
	−9.9351e+01	−9.3102e+00	9.3717e+01	8.1705e+00	−7.7235e+00	5.6833e−01	4.1935e+01	−7.4966e+01
	1.00 1.00	0.99 1.01	1.04 1.10	1.19 1.30	1.39 1.46	1.43 1.16	0.88 0.37	0.12 0.04
^{109}Ag	$(p\alpha)^{106}$Pd	6.0490e+00	0.5	0.0	0.0100	0.01	1.5e+00	
	−8.1856e+02	2.6148e+00	−9.4510e+02	1.8472e+03	−1.1850e+02	7.0735e+00	−8.0600e+02	−8.1921e+02
	1.00 0.98	0.89 0.77	0.67 0.61	0.59 0.58	0.57 0.56	0.54 0.64	0.83 2.77	8.12 9.02
^{110}Ag	$(p\gamma)^{111}$Cd	9.0860e+00	1.0	0.5	0.0100	0.01	4.8e−02	
	4.5373e+00	−1.0675e+01	2.1731e+02	−2.3446e+02	8.1654e+00	−3.1588e−01	1.4920e+02	2.8635e+01
	1.17 1.14	1.18 1.23	1.29 1.31	1.31 1.31	1.29 1.28	1.09 0.94	0.89 1.10	1.11 0.64
^{110}Ag	$(pn)^{110}$Cd	2.1100e+00	1.0	0.0	0.0100	0.01	4.5e−02	
	−4.8076e+01	−1.0125e+01	1.6406e+02	−1.1950e+02	1.0091e+00	3.2597e−02	1.0082e+02	−4.6978e+01
	0.99 0.99	0.99 0.99	0.99 0.99	0.99 0.99	0.99 0.99	1.00 1.00	0.99 0.89	0.57 0.25
^{110}Ag	$(p\alpha)^{107}$Pd	5.7800e+00	1.0	2.5	0.0100	0.01	1.4e+00	
	−6.4074e+02	6.5456e−01	−7.5943e+02	1.4566e+03	−8.9473e+01	5.0811e+00	−6.3936e+02	−6.4278e+02
	1.06 1.03	1.03 1.04	1.04 1.04	1.04 1.04	1.04 1.05	1.15 1.90	5.71 49.18	94.51 58.84
^{111}Ag	$(p\gamma)^{112}$Cd	9.6530e+00	0.5	0.0	0.0100	0.01	4.7e−02	
	−7.7967e+01	−1.0039e+01	1.4930e+02	−7.3366e+01	−4.0151e+00	4.1246e−01	8.4428e+01	−5.3582e+01
	1.00 1.05	1.12 1.16	1.20 1.21	1.23 1.23	1.23 1.22	1.10 0.93	0.74 0.34	0.12 0.04
^{111}Ag	$(pn)^{111}$Cd	2.5500e−01	0.5	0.5	0.0100	0.01	4.7e−02	
	−5.3351e+01	−1.0111e+01	1.6001e+02	−1.0922e+02	6.5531e−04	1.4382e−01	9.6868e+01	−5.3351e+01
	1.00 1.00	0.99 0.98	0.98 0.99	0.99 0.99	0.99 0.99	1.00 1.00	1.00 1.04	0.99 0.59
^{111}Ag	$(p\alpha)^{108}$Pd	6.1690e+00	0.5	0.0	0.0100	0.01	1.4e+00	

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	−7.5918e+02	1.2217e+00	−8.3195e+02	1.6655e+03	−1.0943e+02	6.6729e+00	−7.1608e+02	−7.5984e+02
	1.00 0.92	0.77 0.66	0.59 0.55	0.52 0.51	0.51 0.51	0.62 0.75	0.97 3.54	12.91 20.70
^{112}Ag	$(p\gamma)^{113}$Cd	9.7140e+00	0.0	0.5	0.0100	0.01	5.1e−02	
	−5.1983e+01	−1.0313e+01	1.7269e+02	−1.2620e+02	−1.0889e−01	2.5940e−01	1.0561e+02	−2.8983e+01
	4.18 3.84	3.04 2.48	2.14 1.92	1.76 1.66	1.58 1.52	1.22 1.03	0.88 0.92	1.20 0.93
^{112}Ag	$(pn)^{112}$Cd	3.1740e+00	0.0	0.0	0.0100	0.01	4.7e−02	
	−6.9167e+01	−1.0081e+01	1.5123e+02	−8.2383e+01	−1.9984e+00	2.5378e−01	8.6718e+01	−6.9167e+01
	2.30 2.16	1.80 1.54	1.36 1.25	1.18 1.14	1.10 1.07	1.01 1.00	1.00 0.97	0.75 0.39
^{112}Ag	$(p\alpha)^{109}$Pd	5.8430e+00	0.0	2.5	0.0100	0.01	1.7e+00	0
	−5.9902e+02	−2.5659e−02	−7.0587e+02	1.3549e+03	−8.2716e+01	4.7012e+00	−5.9484e+02	−6.0216e+02
^{97}Cd	$(p\gamma)^{98}$In	8.9200e−01	4.5	5.0	0.0450	0.01	4.7e−02	0
	5.0153e+01	−1.0267e+01	2.1587e+02	−2.7966e+02	1.1111e+01	−4.8105e−01	1.5950e+02	7.3748e+01
^{98}Cd	$(p\gamma)^{99}$In	1.2920e+00	0.0	4.5	0.2350	0.01	4.7e−02	0
	6.7429e+01	−1.0422e+01	2.2853e+02	−3.1307e+02	1.5238e+01	−8.3178e−01	1.7164e+02	8.8817e+01
^{99}Cd	$(p\gamma)^{100}$In	2.0620e+00	2.5	5.0	0.0150	0.01	4.7e−02	0
	−9.8053e−01	−1.0213e+01	1.9654e+02	−2.0179e+02	4.4904e+00	−4.1934e−02	1.3473e+02	2.2104e+01
^{100}Cd	$(p\gamma)^{101}$In	1.9350e+00	0.0	4.5	0.0450	0.01	4.9e−02	0
	4.1386e+01	−1.0426e+01	2.1920e+02	−2.7345e+02	1.1547e+01	−5.8543e−01	1.5933e+02	6.2774e+01
^{100}Cd	$(p\alpha)^{97}$Ag	1.1100e+00	0.0	4.5	0.0450	0.01	2.8e−01	0
	−9.4361e+02	2.5893e+01	−2.4901e+03	3.5431e+03	−1.8967e+02	1.0023e+01	−1.7783e+03	−9.4725e+02
^{101}Cd	$(p\gamma)^{102}$In	2.0570e+00	2.5	3.0	0.0100	0.01	4.7e−02	0
	−1.8623e+01	−1.0044e+01	1.7496e+02	−1.6158e+02	3.0684e+00	−5.8237e−02	1.1567e+02	4.9135e+00
^{101}Cd	$(p\alpha)^{98}$Ag	1.9910e+00	2.5	5.0	0.0100	0.01	5.6e+01	0
	−2.0407e+03	2.5988e+01	−2.8765e+03	5.1524e+03	−3.1729e+02	1.8495e+01	−2.3455e+03	−2.0427e+03
^{102}Cd	$(p\gamma)^{103}$In	2.4730e+00	0.0	4.5	0.0100	0.01	5.0e−02	0
	−1.5933e+00	−1.0181e+01	1.8604e+02	−1.9295e+02	6.4947e+00	−3.5177e−01	1.2662e+02	1.9795e+01
^{102}Cd	$(p\alpha)^{99}$Ag	2.1680e+00	0.0	4.5	0.0100	0.01	4.0e+00	0
	−1.6502e+03	3.1240e+01	−3.0984e+03	4.9484e+03	−2.8276e+02	1.5615e+01	−2.3715e+03	−1.6539e+03
^{103}Cd	$(p\gamma)^{104}$In	2.7060e+00	2.5	6.0	0.0100	0.01	4.6e−02	
	−4.8306e+01	−9.9595e+00	1.5723e+02	−1.1163e+02	−2.7659e−01	1.3241e−01	9.6618e+01	−2.5388e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.97 0.73	0.32 0.10
^{103}Cd	$(p\alpha)^{100}$Ag	2.3670e+00	2.5	5.0	0.0100	0.01	2.8e+01	0
	−1.9022e+03	2.6829e+01	−2.8940e+03	5.0204e+03	−3.0298e+02	1.7460e+01	−2.3195e+03	−1.9042e+03
^{104}Cd	$(p\gamma)^{105}$In	2.7940e+00	0.0	4.5	0.0100	0.01	4.9e−02	
	−2.1997e+01	−1.0184e+01	1.7745e+02	−1.6235e+02	4.3459e+00	−2.2911e−01	1.1604e+02	−6.0864e−01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.07	1.14 1.02	0.38 0.08
^{104}Cd	$(p\alpha)^{101}$Ag	2.1130e+00	0.0	4.5	0.0100	0.01	4.5e+00	
	−1.5561e+03	2.9975e+01	−2.9841e+03	4.7272e+03	−2.6888e+02	1.4782e+01	−2.2718e+03	−1.5597e+03
	1.00 1.00	1.00 1.00	1.01 1.01	1.03 1.08	1.15 1.25	3.24 5.36	7.03 12.39	14.34 7.98
^{105}Cd	$(p\gamma)^{106}$In	3.5720e+00	2.5	7.0	0.0100	0.01	4.5e−02	
	−6.8250e+01	−9.8716e+00	1.4249e+02	−7.5112e+01	−2.6362e+00	2.5069e−01	8.2195e+01	−4.5474e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.97	0.91 0.60	0.23 0.07
^{105}Cd	$(p\alpha)^{102}$Ag	2.5380e+00	2.5	5.0	0.0100	0.01	4.8e+00	
	−1.5678e+03	3.0626e+01	−3.0402e+03	4.8013e+03	−2.7275e+02	1.5075e+01	−2.3139e+03	−1.5697e+03
	1.00 1.00	1.04 1.12	1.24 1.41	1.56 1.66	1.72 1.75	2.33 3.19	4.43 10.15	19.37 18.46
^{106}Cd	$(p\gamma)^{107}$In	3.7170e+00	0.0	4.5	0.0100	0.01	4.7e−02	
	−4.9440e+01	−1.0039e+01	1.5695e+02	−1.1133e+02	6.6715e−01	−4.6152e−03	9.6065e+01	−2.8051e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.03	1.06 0.77	0.27 0.07
^{106}Cd	$(p\alpha)^{103}$Ag	2.5220e+00	0.0	3.5	0.0100	0.01	4.4e+00	
	−1.6706e+03	3.1627e+01	−3.1383e+03	5.0137e+03	−2.8697e+02	1.5881e+01	−2.4026e+03	−1.6740e+03
	1.00 1.00	1.00 1.00	1.00 1.01	1.01 1.04	1.08 1.13	2.32 4.25	6.84 12.43	13.68 11.63
^{107}Cd	$(p\gamma)^{108}$In	4.4060e+00	2.5	7.0	0.0100	0.01	4.5e−02	
	−9.2190e+01	−9.7653e+00	1.2560e+02	−3.1206e+01	−6.1419e+00	4.8402e−01	6.5395e+01	−6.9415e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.93	0.79 0.42	0.15 0.04
^{107}Cd	$(p\alpha)^{104}$Ag	2.9890e+00	2.5	5.0	0.0100	0.01	2.6e+01	
	−1.7998e+03	2.4748e+01	−2.7315e+03	4.7447e+03	−2.8687e+02	1.6512e+01	−2.1900e+03	−1.8018e+03
	1.00 1.00	1.02 1.15	1.45 1.88	2.40 3.04	3.68 4.04	2.58 2.59	3.22 7.50	10.87 7.15
^{108}Cd	$(p\gamma)^{109}$In	4.5210e+00	0.0	4.5	0.0100	0.01	5.1e−02	
	−8.5701e+01	−9.7870e+00	1.2646e+02	−4.0030e+01	−4.4942e+00	2.9816e−01	6.7304e+01	−6.4312e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	0.97 0.49	0.11 0.02
^{108}Cd	$(p\alpha)^{105}$Ag	2.6800e+00	0.0	0.5	0.0100	0.01	5.2e+00	

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	−1.6989e+03	3.1940e+01	−3.1726e+03	5.0811e+03	−2.9220e+02	1.6308e+01	−2.4324e+03	−1.7010e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.02	1.04 1.08	1.81 2.58	3.35 8.19	17.43 26.20
^{109}Cd	$(p\gamma)^{110}$In	5.2550e+00	2.5	7.0	0.0100	0.01	4.6e−02	
	−9.1551e+01	−9.9164e+00	1.3335e+02	−3.9170e+01	−6.4734e+00	5.4983e−01	7.0703e+01	−6.8776e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.95 0.86	0.73 0.35	0.11 0.03
^{109}Cd	$(p\alpha)^{106}$Ag	3.2980e+00	2.5	1.0	0.0100	0.01	9.0e+00	
	−1.4717e+03	2.3041e+01	−2.5242e+03	4.1727e+03	−2.4291e+02	1.3614e+01	−1.9723e+03	−1.4723e+03
	1.00 0.99	1.01 1.92	9.56 32.83	65.70 88.82	89.37 75.46	11.28 5.31	4.63 12.14	12.75 5.91
^{110}Cd	$(p\gamma)^{111}$In	5.3280e+00	0.0	4.5	0.0100	0.01	5.1e−02	
	−1.3253e+02	−9.5210e+00	9.2891e+01	4.7058e+01	−1.1926e+01	8.2490e−01	3.4135e+01	−1.1114e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.96	0.79 0.26	0.05 0.01
^{110}Cd	$(p\alpha)^{107}$Ag	2.9200e+00	0.0	0.5	0.0100	0.01	8.6e+00	
	−1.5723e+03	3.0863e+01	−3.0701e+03	4.8354e+03	−2.7309e+02	1.5003e+01	−2.3354e+03	−1.5743e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.03 1.05	1.52 1.82	2.69 19.21	49.12 32.52
^{111}Cd	$(p\gamma)^{112}$In	6.0300e+00	0.5	1.0	0.0100	0.01	5.2e−02	
	−4.0937e+01	−1.0455e+01	1.8085e+02	−1.4321e+02	3.0703e−01	1.7717e−01	1.1402e+02	−1.7651e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.97 0.95	0.80 0.76	0.67 0.34	0.12 0.04
^{111}Cd	$(p\alpha)^{108}$Ag	3.2140e+00	0.5	1.0	0.0100	0.01	1.2e+01	0
	−1.3034e+03	2.4117e+01	−2.5569e+03	4.0182e+03	−2.2237e+02	1.2011e+01	−1.9513e+03	−1.3052e+03
^{112}Cd	$(p\gamma)^{113}$In	6.0740e+00	0.0	4.5	0.0100	0.01	4.5e−02	
	−1.4032e+02	−9.6888e+00	1.0024e+02	4.9720e+01	−1.4102e+01	1.0822e+00	3.7303e+01	−1.1893e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.84	0.62 0.21	0.05 0.01
^{112}Cd	$(p\alpha)^{109}$Ag	3.0030e+00	0.0	0.5	0.0100	0.01	9.2e+00	0
	−1.5207e+03	3.0841e+01	−3.0587e+03	4.7653e+03	−2.6628e+02	1.4550e+01	−2.3153e+03	−1.5228e+03
^{113}Cd	$(p\gamma)^{114}$In	6.8080e+00	0.5	1.0	0.0100	0.01	5.0e−02	
	−7.6095e+01	−9.9945e+00	1.3353e+02	−5.8187e+01	−4.0533e+00	3.8048e−01	7.3592e+01	−5.2808e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.05	1.09 1.14	1.13 0.90	0.71 0.33	0.11 0.03
^{113}Cd	$(p\alpha)^{110}$Ag	3.2720e+00	0.5	1.0	0.0100	0.01	3.7e+00	0
	−1.6491e+03	2.6438e+01	−2.8148e+03	4.6557e+03	−2.6855e+02	1.4928e+01	−2.2039e+03	−1.6508e+03
^{114}Cd	$(p\gamma)^{115}$In	6.8040e+00	0.0	4.5	0.0100	0.01	5.4e−02	
	−4.8003e+01	−1.0658e+01	1.8891e+02	−1.4231e+02	−1.2067e+00	3.3500e−01	1.1766e+02	−2.6613e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.91 0.72	0.54 0.24	0.07 0.02
^{114}Cd	$(p\alpha)^{111}$Ag	3.0600e+00	0.0	0.5	0.0100	0.01	4.4e+00	0
	−1.4836e+03	3.1549e+01	−3.1049e+03	4.7670e+03	−2.5979e+02	1.3768e+01	−2.3371e+03	−1.4857e+03
^{95}In	$(p\gamma)^{96}$Sn	6.3400e−01	4.5	0.0	n.c.	0.01	1.7e+00	0
	−7.1987e+02	5.3741e−01	−7.5508e+02	1.5528e+03	−1.0758e+02	6.7019e+00	−6.5491e+02	−6.9388e+02
^{96}In	$(p\gamma)^{97}$Sn	7.9500e−01	1.0	4.5	n.c.	0.01	4.4e−02	0
	8.4591e+00	−1.0145e+01	1.9313e+02	−2.0920e+02	4.6375e+00	−1.5754e−02	1.3536e+02	3.0945e+01
^{97}In	$(p\gamma)^{98}$Sn	1.6510e+00	4.5	0.0	n.c.	0.01	1.6e+00	0
	−7.9616e+02	1.5652e+00	−8.5291e+02	1.7358e+03	−1.1836e+02	7.3093e+00	−7.3819e+02	−7.7017e+02
^{98}In	$(p\gamma)^{99}$Sn	1.8870e+00	5.0	4.5	0.3650	0.01	5.3e−02	0
	1.4094e+01	−1.0548e+01	2.1933e+02	−2.4182e+02	6.1453e+00	−7.8708e−02	1.5374e+02	3.7879e+01
^{99}In	$(p\gamma)^{100}$Sn	2.9870e+00	4.5	0.0	0.9700	0.01	3.4e−02	0
	−3.3933e+01	−9.1049e+00	9.6626e+01	−7.0199e+01	2.6542e−01	7.8117e−02	5.9542e+01	−7.9393e+00
^{100}In	$(p\gamma)^{101}$Sn	3.3220e+00	5.0	0.5	0.1300	0.01	5.1e−02	0
	1.7618e+01	−1.0606e+01	2.2034e+02	−2.4665e+02	6.8828e+00	−1.4306e−01	1.5508e+02	4.3013e+01
^{100}In	$(p\alpha)^{97}$Cd	4.2700e−01	5.0	4.5	0.1300	0.01	4.9e−02	0
	−5.7290e+02	2.1715e+01	−2.0873e+03	2.7157e+03	−1.3680e+02	6.9132e+00	−1.4142e+03	−5.7414e+02
^{101}In	$(p\gamma)^{102}$Sn	4.1330e+00	4.5	0.0	0.2500	0.01	4.9e−02	0
	1.5718e+01	−1.0536e+01	2.1233e+02	−2.3707e+02	7.0908e+00	−2.0711e−01	1.4907e+02	4.1712e+01
^{101}In	$(p\alpha)^{98}$Cd	3.4940e+00	4.5	0.0	0.2500	0.01	9.7e+00	0
	−1.5864e+03	2.4382e+01	−2.6432e+03	4.4222e+03	−2.6116e+02	1.4918e+01	−2.0789e+03	−1.5854e+03
^{102}In	$(p\gamma)^{103}$Sn	4.0950e+00	3.0	1.5	0.0650	0.01	4.6e−02	0
	−4.2260e+01	−1.0072e+01	1.6224e+02	−1.2175e+02	−9.6818e−01	2.8480e−01	1.0187e+02	−1.8010e+01
^{102}In	$(p\alpha)^{99}$Cd	3.5220e+00	3.0	2.5	0.0650	0.01	6.0e−02	0
	−3.7274e+02	−7.0859e+00	−1.3842e+02	5.3190e+02	−4.1558e+01	2.6447e+00	−1.7575e+02	−3.7393e+02
^{103}In	$(p\gamma)^{104}$Sn	4.2410e+00	4.5	0.0	0.0850	0.01	4.9e−02	0
	−2.0877e+01	−1.0273e+01	1.7923e+02	−1.6387e+02	2.8018e+00	−1.0335e−02	1.1787e+02	5.1164e+00
^{103}In	$(p\alpha)^{100}$Cd	4.5270e+00	4.5	0.0	0.0850	0.01	1.1e+00	0
	−7.1300e+02	1.4639e+00	−8.3420e+02	1.6216e+03	−1.0578e+02	6.4219e+00	−7.0468e+02	−7.1204e+02
^{104}In	$(p\gamma)^{105}$Sn	4.4550e+00	6.0	2.5	0.0100	0.01	4.6e−02	0

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	−7.2528e+01	−9.9310e+00	1.3988e+02	−6.7127e+01	−3.8936e+00	3.8584e−01	7.9473e+01	−4.8064e+01
^{104}In	$(p\alpha)^{101}$Cd	4.5460e+00	6.0	2.5	0.0100	0.01	1.9e+00	0
	−9.3616e+02	2.9640e+00	−1.0033e+03	2.0393e+03	−1.3615e+02	8.3538e+00	−8.7131e+02	−9.3673e+02
^{105}In	$(p\gamma)^{106}$Sn	5.2360e+00	4.5	0.0	0.0200	0.01	4.7e−02	0
	−7.6077e+01	−9.9710e+00	1.4011e+02	−6.3519e+01	−4.3615e+00	4.1586e−01	7.8798e+01	−5.0083e+01
^{105}In	$(p\alpha)^{102}$Cd	4.7990e+00	4.5	0.0	0.0200	0.01	1.1e+00	0
	−8.5613e+02	2.2935e+00	−9.3284e+02	1.8804e+03	−1.2611e+02	7.7912e+00	−8.0389e+02	−8.5518e+02
^{106}In	$(p\gamma)^{107}$Sn	5.2390e+00	7.0	2.5	0.0100	0.01	4.9e−02	0
	−8.5503e+01	−9.8916e+00	1.3009e+02	−4.3600e+01	−5.1191e+00	4.2667e−01	6.9893e+01	−6.0895e+01
^{106}In	$(p\alpha)^{103}$Cd	4.9020e+00	7.0	2.5	0.0100	0.01	1.6e+00	0
	−8.7701e+02	2.2880e+00	−9.4343e+02	1.9143e+03	−1.2751e+02	7.7723e+00	−8.1767e+02	−8.7744e+02
^{107}In	$(p\gamma)^{108}$Sn	5.7400e+00	4.5	0.0	0.0100	0.01	4.7e−02	0
	−8.9552e+01	−9.9092e+00	1.2859e+02	−3.7667e+01	−5.6100e+00	4.5729e−01	6.7955e+01	−6.3558e+01
^{107}In	$(p\alpha)^{104}$Cd	5.2780e+00	4.5	0.0	0.0100	0.01	1.2e+00	0
	−8.6735e+02	2.3901e+00	−9.4763e+02	1.9074e+03	−1.2681e+02	7.7369e+00	−8.1693e+02	−8.6639e+02
^{108}In	$(p\gamma)^{109}$Sn	5.8190e+00	7.0	2.5	0.0100	0.01	4.6e−02	0
	−8.5096e+01	−1.0023e+01	1.3621e+02	−5.0334e+01	−4.9594e+00	4.3994e−01	7.4089e+01	−6.0488e+01
^{108}In	$(p\alpha)^{105}$Cd	5.0890e+00	7.0	2.5	0.0100	0.01	8.7e−01	0
	−9.1585e+02	3.5127e+00	−1.0473e+03	2.0616e+03	−1.3279e+02	7.8532e+00	−8.9675e+02	−9.1627e+02
^{109}In	$(p\gamma)^{110}$Sn	6.6380e+00	4.5	0.0	0.0100	0.01	5.0e−02	0
	−1.1477e+02	−9.7762e+00	1.0943e+02	9.8362e+00	−9.2128e+00	6.8705e−01	4.9342e+01	−8.8778e+01
^{109}In	$(p\alpha)^{106}$Cd	5.5130e+00	4.5	0.0	0.0100	0.01	1.2e+00	0
	−8.5524e+02	2.1370e+00	−9.2997e+02	1.8744e+03	−1.2432e+02	7.5537e+00	−8.0214e+02	−8.5429e+02
^{110}In	$(p\gamma)^{111}$Sn	6.7610e+00	7.0	3.5	0.0100	0.01	4.8e−02	
	−9.1755e+01	−1.0129e+01	1.3894e+02	−4.5050e+01	−6.4269e+00	5.9929e−01	7.4377e+01	−6.7434e+01
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.98 0.97	0.85 0.66	0.48 0.24	0.11 0.04
^{110}In	$(p\alpha)^{107}$Cd	5.3810e+00	7.0	2.5	0.0100	0.01	1.1e+00	
	−8.0777e+02	2.2890e+00	−9.3745e+02	1.8305e+03	−1.1752e+02	7.0195e+00	−7.9885e+02	−8.0820e+02
	1.00 0.99	0.97 0.94	0.92 0.90	0.88 0.86	0.84 0.83	1.30 2.00	2.48 4.11	7.98 8.20
^{111}In	$(p\gamma)^{112}$Sn	7.5590e+00	4.5	0.0	0.0100	0.01	4.6e−02	
	−1.2246e+02	−9.9214e+00	1.1504e+02	1.3773e+01	−1.1108e+01	8.9540e−01	5.1380e+01	−9.6466e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.91	0.69 0.23	0.07 0.02
^{111}In	$(p\alpha)^{108}$Cd	5.7290e+00	4.5	0.0	0.0100	0.01	1.5e+00	
	−8.0361e+02	1.4628e+00	−8.7307e+02	1.7594e+03	−1.1720e+02	7.2063e+00	−7.5249e+02	−8.0266e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.01 1.02	1.19 1.61	2.09 3.63	8.66 12.75
^{112}In	$(p\gamma)^{113}$Sn	7.6240e+00	1.0	0.5	0.0100	0.01	5.2e−02	
	−4.9722e+01	−1.0745e+01	1.9050e+02	−1.4413e+02	−5.6732e−01	2.7541e−01	1.1862e+02	−2.5624e+01
	1.00 1.00	1.02 1.08	1.19 1.34	1.52 1.73	1.94 2.15	2.26 1.55	0.98 0.38	0.14 0.05
^{112}In	$(p\alpha)^{109}$Cd	5.3750e+00	1.0	2.5	0.0100	0.01	2.7e+01	
	−1.4981e+03	2.3093e+01	−2.5529e+03	4.2379e+03	−2.4929e+02	1.4237e+01	−2.0000e+03	−1.5001e+03
	1.00 1.00	1.04 1.32	2.18 3.90	6.70 10.27	13.71 16.46	7.38 2.07	1.93 3.88	9.50 12.03
^{113}In	$(p\gamma)^{114}$Sn	8.4810e+00	4.5	0.0	0.0100	0.01	5.0e−02	
	−8.8426e+01	−1.0303e+01	1.4729e+02	−5.6353e+01	−6.7580e+00	6.7591e−01	8.0698e+01	−6.2431e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.97 0.85	0.58 0.18	0.06 0.02
^{113}In	$(p\alpha)^{110}$Cd	5.8480e+00	4.5	0.0	0.0100	0.01	1.3e+00	
	−7.3616e+02	1.1995e+00	−8.4363e+02	1.6511e+03	−1.0591e+02	6.3023e+00	−7.1780e+02	−7.3521e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.01 1.02	1.16 1.61	2.55 7.88	18.86 18.35
^{114}In	$(p\gamma)^{115}$Sn	8.7520e+00	1.0	0.5	0.0100	0.01	5.7e−02	
	−2.3820e+01	−1.0952e+01	2.0813e+02	−1.9225e+02	3.4505e+00	4.5305e−03	1.3651e+02	2.7848e−01
	1.00 1.00	1.01 1.08	1.23 1.48	1.77 2.02	2.21 2.30	1.58 1.02	0.70 0.34	0.15 0.06
^{114}In	$(pn)^{114}$Sn	1.2060e+00	1.0	0.0	0.0100	0.01	4.7e−02	
	−7.6882e+01	−1.0328e+01	1.4890e+02	−7.2901e+01	−3.0964e+00	3.7882e−01	8.4045e+01	−7.5783e+01
	1.00 1.00	1.00 0.99	0.96 0.93	0.90 0.88	0.87 0.87	0.96 1.00	1.00 1.01	0.97 0.79
^{114}In	$(p\alpha)^{111}$Cd	5.5500e+00	1.0	0.5	0.0100	0.01	3.1e+00	0
	−1.4843e+03	2.5178e+01	−2.6963e+03	4.3655e+03	−2.5017e+02	1.4062e+01	−2.0889e+03	−1.4852e+03
^{115}In	$(p\gamma)^{116}$Sn	9.2760e+00	4.5	0.0	0.0100	0.01	5.1e−02	
	−1.5883e+02	−9.6326e+00	7.6737e+01	9.2062e+01	−1.6693e+01	1.2940e+00	1.6759e+01	−1.3284e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.96 0.82	0.54 0.18	0.06 0.02
^{115}In	$(p\alpha)^{112}$Cd	5.9080e+00	4.5	0.0	0.0100	0.01	2.4e+00	
	−9.2036e+02	2.9065e+00	−1.0181e+03	2.0299e+03	−1.3183e+02	7.9561e+00	−8.7787e+02	−9.1940e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.02 1.03	1.29 1.96	3.28 11.66	46.93 72.55

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{116}In	(pγ)^{117}Sn	9.4370e+00	1.0	0.5	0.0100	0.01	5.7e−02	
	4.5832e+00	−1.1294e+01	2.3565e+02	−2.5373e+02	8.3584e+00	−2.6049e−01	1.6132e+02	2.8682e+01
	1.00 1.01	1.05 1.12	1.21 1.28	1.33 1.37	1.37 1.38	1.17 0.92	0.77 0.95	1.26 0.85
^{116}In	(pn)^{116}Sn	2.4920e+00	1.0	0.0	0.0100	0.01	5.0e−02	
	−5.3607e+01	−1.0646e+01	1.7355e+02	−1.2380e+02	7.6132e−01	7.7427e−02	1.0561e+02	−5.2509e+01
	1.00 1.00	1.00 1.00	1.00 0.99	0.99 0.99	0.99 0.99	0.99 0.99	0.99 0.97	0.74 0.36
^{116}In	(pα)^{113}Cd	5.6650e+00	1.0	0.5	0.0100	0.01	2.1e+01	0
	−1.6847e+03	2.6110e+01	−2.8276e+03	4.7119e+03	−2.7127e+02	1.5009e+01	−2.2269e+03	−1.6857e+03
^{102}Sn	(pα)^{99}In	6.5300e−01	0.0	4.5	0.4050	0.01	6.5e−02	0
	−6.9504e+02	2.4502e+01	−2.3329e+03	3.1034e+03	−1.5658e+02	7.8454e+00	−1.6067e+03	−6.9868e+02
^{103}Sn	(pα)^{100}In	1.4890e+00	1.5	5.0	0.0550	0.01	1.1e+01	0
	−2.0093e+03	3.5458e+01	−3.5193e+03	5.7664e+03	−3.3245e+02	1.8472e+01	−2.7383e+03	−2.0117e+03
^{104}Sn	(pα)^{101}In	1.7060e+00	0.0	4.5	0.1600	0.01	3.3e+01	0
	−2.2470e+03	2.9337e+01	−3.1935e+03	5.6991e+03	−3.4671e+02	1.9968e+01	−2.6051e+03	−2.2507e+03
^{105}Sn	(pγ)^{106}Sb	9.4900e−01	2.5	1.0	0.0100	0.01	4.9e−02	0
	−3.1638e+01	−1.0400e+01	1.7428e+02	−1.4743e+02	1.6501e+00	5.7875e−02	1.1203e+02	−7.2535e+00
^{105}Sn	(pα)^{102}In	2.1470e+00	2.5	3.0	0.0100	0.01	4.6e+01	0
	−2.1912e+03	2.9777e+01	−3.2068e+03	5.6533e+03	−3.4211e+02	1.9671e+01	−2.5983e+03	−2.1927e+03
^{106}Sn	(pα)^{103}In	2.0810e+00	0.0	4.5	0.0250	0.01	1.7e+00	0
	−8.2756e+02	−7.5289e+00	−2.4743e+02	1.1320e+03	−9.3153e+01	6.0693e+00	−3.6202e+02	−8.3120e+02
^{107}Sn	(pγ)^{108}Sb	5.8400e−01	2.5	4.0	0.0100	0.01	5.6e−02	0
	1.0282e+01	−1.0902e+01	2.1641e+02	−2.3827e+02	8.2778e+00	−4.1823e−01	1.4967e+02	3.3568e+01
^{107}Sn	(pα)^{104}In	2.7610e+00	2.5	6.0	0.0100	0.01	1.7e−01	0
	−6.0604e+02	−5.4642e+00	−3.4301e+02	9.9039e+02	−6.8345e+01	3.9848e+00	−3.7240e+02	−6.0815e+02
^{108}Sn	(pγ)^{109}Sb	1.5310e+00	0.0	2.5	0.0100	0.01	5.6e−02	0
	−4.3714e+01	−1.0604e+01	1.8140e+02	−1.4359e+02	9.9040e−01	1.5612e−02	1.1444e+02	−2.1813e+01
^{108}Sn	(pα)^{105}In	2.3320e+00	0.0	4.5	0.0100	0.01	3.8e−01	0
	−7.4946e+02	−6.0792e+00	−3.3873e+02	1.1376e+03	−8.2946e+01	4.9516e+00	−4.0475e+02	−7.5310e+02
^{109}Sn	(pγ)^{110}Sb	1.4700e+00	2.5	3.0	0.0100	0.01	4.9e−02	0
	−6.5926e+01	−1.0356e+01	1.5476e+02	−9.1198e+01	−1.6933e+00	2.0155e−01	9.0718e+01	−4.2388e+01
^{109}Sn	(pα)^{106}In	2.8420e+00	2.5	7.0	0.0100	0.01	4.0e+01	0
	−1.9850e+03	2.6869e+01	−2.9491e+03	5.1684e+03	−3.1391e+02	1.8135e+01	−2.3770e+03	−1.9872e+03
^{110}Sn	(pγ)^{111}Sb	2.9280e+00	0.0	2.5	0.0100	0.01	5.2e−02	0
	−6.9614e+01	−1.0318e+01	1.5027e+02	−8.3689e+01	−2.7243e+00	2.5246e−01	8.7467e+01	−4.7713e+01
^{110}Sn	(pα)^{107}In	2.5920e+00	0.0	4.5	0.0100	0.01	1.5e+00	0
	−1.0818e+03	−2.3801e+00	−6.9287e+02	1.8656e+03	−1.3177e+02	7.9610e+00	−7.1888e+02	−1.0855e+03
^{111}Sn	(pγ)^{112}Sb	2.9490e+00	3.5	3.0	0.0100	0.01	5.0e−02	
	−7.5647e+01	−1.0335e+01	1.4713e+02	−7.2974e+01	−2.7648e+00	2.5429e−01	8.3302e+01	−5.1821e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.92 0.56	0.21 0.06
^{111}Sn	(pα)^{108}In	3.0270e+00	3.5	7.0	0.0100	0.01	1.1e+01	
	−2.0503e+03	2.9795e+01	−3.1815e+03	5.4747e+03	−3.2408e+02	1.8271e+01	−2.5473e+03	−2.0523e+03
	1.00 1.00	1.00 0.99	0.98 0.96	0.95 0.93	0.93 0.95	1.86 2.62	4.91 11.04	12.88 8.72
^{112}Sn	(pγ)^{113}Sb	3.0550e+00	0.0	2.5	0.0100	0.01	5.4e−02	
	−5.3372e+01	−1.0537e+01	1.6491e+02	−1.1627e+02	9.5043e−01	−3.7226e−02	1.0014e+02	−3.1472e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.03 0.71	0.19 0.04
^{112}Sn	(pα)^{109}In	2.6910e+00	0.0	4.5	0.0100	0.01	4.9e+00	
	−1.7263e+03	3.3643e+01	−3.3226e+03	5.2574e+03	−2.9551e+02	1.6042e+01	−2.5360e+03	−1.7299e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.25 2.69	6.05 20.16	26.14 14.79
^{113}Sn	(pγ)^{114}Sb	3.6350e+00	0.5	3.0	0.0100	0.01	5.1e−02	
	−9.4826e+01	−1.0252e+01	1.3298e+02	−3.7252e+01	−5.4538e+00	4.0306e−01	6.9382e+01	−7.2386e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.94 0.49	0.15 0.04
^{113}Sn	(pα)^{110}In	3.0060e+00	0.5	7.0	0.0100	0.01	1.9e+01	0
	−1.9436e+03	2.8306e+01	−3.0478e+03	5.2235e+03	−3.1062e+02	1.7672e+01	−2.4320e+03	−1.9469e+03
^{114}Sn	(pγ)^{115}Sb	3.7330e+00	0.0	2.5	0.0100	0.01	5.8e−02	
	−8.9940e+01	−1.0290e+01	1.3473e+02	−4.4843e+01	−4.3659e+00	2.8735e−01	7.1502e+01	−6.8039e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.45	0.09 0.02
^{114}Sn	(pα)^{111}In	2.6950e+00	0.0	4.5	0.0100	0.01	5.1e+00	
	−1.7830e+03	3.4146e+01	−3.3755e+03	5.3738e+03	−3.0454e+02	1.6701e+01	−2.5839e+03	−1.7866e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.21 2.37	5.02 19.36	35.41 33.80
^{115}Sn	(pγ)^{116}Sb	4.0740e+00	0.5	3.0	0.0100	0.01	5.2e−02	
	−1.0649e+02	−1.0261e+01	1.2735e+02	−1.8237e+01	−7.2850e+00	5.2424e−01	6.2847e+01	−8.4047e+01

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.96	0.88 0.36	0.08 0.02
^{115}Sn	$(\mathrm{p}\alpha)^{112}$In	2.8270e+00	0.5	1.0	0.0100	0.01	1.5e+00	0
	−1.4670e+03	3.2707e+01	−3.1881e+03	4.8398e+03	−2.6419e+02	1.4093e+01	−2.3827e+03	−1.4687e+03
^{116}Sn	$(\mathrm{p}\gamma)^{117}$Sb	4.4060e+00	0.0	2.5	0.0100	0.01	6.3e−02	
	−1.2795e+02	−1.0049e+01	1.0477e+02	2.8214e+01	−1.0062e+01	6.4678e−01	4.2706e+01	−1.0605e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.92 0.29	0.04 0.01
^{116}Sn	$(\mathrm{p}\alpha)^{113}$In	2.7060e+00	0.0	4.5	0.0100	0.01	7.3e+00	
	−1.7028e+03	3.3034e+01	−3.2778e+03	5.1854e+03	−2.9305e+02	1.6064e+01	−2.4995e+03	−1.7064e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.00 1.00	1.21 1.90	3.55 28.46	68.59 54.36
^{117}Sn	$(\mathrm{p}\gamma)^{118}$Sb	4.8870e+00	0.5	1.0	0.0100	0.01	5.4e−02	
	−1.1004e+02	−1.0374e+01	1.3146e+02	−1.7616e+01	−8.4017e+00	6.4584e−01	6.4781e+01	−8.6749e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 1.00	1.05 1.18	1.04 0.34	0.07 0.01
^{117}Sn	$(\mathrm{p}\alpha)^{114}$In	3.0360e+00	0.5	1.0	0.0100	0.01	1.0e+01	0
	−1.6564e+03	2.7738e+01	−2.9373e+03	4.7934e+03	−2.7271e+02	1.4964e+01	−2.2885e+03	−1.6581e+03
^{118}Sn	$(\mathrm{p}\gamma)^{119}$Sb	5.1090e+00	0.0	2.5	0.0100	0.01	5.9e−02	
	−1.6247e+02	−9.9144e+00	8.3755e+01	8.8951e+01	−1.5763e+01	1.0752e+00	2.0748e+01	−1.4056e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.98	0.82 0.23	0.03 0.01
^{118}Sn	$(\mathrm{p}\alpha)^{115}$In	2.7490e+00	0.0	4.5	0.0100	0.01	1.3e+01	0
	−1.5535e+03	3.1691e+01	−3.1479e+03	4.8864e+03	−2.7094e+02	1.4611e+01	−2.3779e+03	−1.5572e+03
^{119}Sn	$(\mathrm{p}\gamma)^{120}$Sb	5.6440e+00	0.5	1.0	0.0100	0.01	5.2e−02	
	−9.8132e+01	−1.0519e+01	1.4104e+02	−4.0397e+01	−7.2688e+00	6.3091e−01	7.3763e+01	−7.4844e+01
	1.01 1.00	1.00 1.00	0.99 1.01	1.04 1.08	1.13 1.21	2.07 1.86	1.36 0.42	0.09 0.02
^{119}Sn	$(\mathrm{p}\alpha)^{116}$In	3.0470e+00	0.5	1.0	0.0100	0.01	3.0e+00	0
	−6.4318e+02	2.2700e+00	−9.2329e+02	1.6198e+03	−8.9987e+01	4.6939e+00	−7.5053e+02	−6.4494e+02
^{120}Sn	$(\mathrm{p}\gamma)^{121}$Sb	5.7770e+00	0.0	2.5	0.0100	0.01	5.2e−02	
	−1.6706e+02	−1.0081e+01	9.1688e+01	8.7235e+01	−1.7292e+01	1.2721e+00	2.5004e+01	−1.4515e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.95	0.80 0.25	0.04 0.01
^{120}Sn	$(\mathrm{p}\alpha)^{117}$In	2.7050e+00	0.0	4.5	0.0100	0.01	2.1e+00	0
	−1.0944e+03	3.1088e+01	−2.9697e+03	4.1955e+03	−2.1331e+02	1.0660e+01	−2.1381e+03	−1.0981e+03
^{121}Sn	$(\mathrm{p}\gamma)^{122}$Sb	6.4120e+00	1.5	2.0	0.0100	0.01	6.0e−02	
	−3.7300e+01	−1.1065e+01	1.9038e+02	−1.5978e+02	2.2997e+00	−2.1210e−02	1.2027e+02	−1.3830e+01
	1.08 1.80	2.32 2.88	3.50 3.90	3.93 3.76	3.49 3.20	1.70 1.30	1.03 0.42	0.11 0.03
^{121}Sn	$(\mathrm{p}\alpha)^{118}$In	2.8910e+00	1.5	1.0	0.0100	0.01	2.2e+00	0
	−6.9201e+02	2.0994e+00	−9.3400e+02	1.6783e+03	−9.2438e+01	4.7302e+00	−7.7222e+02	−6.9308e+02
^{122}Sn	$(\mathrm{p}\gamma)^{123}$Sb	6.5670e+00	0.0	3.5	0.0100	0.01	6.0e−02	
	−6.0509e+01	−1.1193e+01	1.9422e+02	−1.3467e+02	−2.4150e+00	4.2161e−01	1.1791e+02	−3.8895e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.94	0.81 0.32	0.07 0.02
^{122}Sn	$(\mathrm{p}\alpha)^{119}$In	2.6220e+00	0.0	4.5	0.0100	0.01	6.8e−01	0
	−1.2018e+03	3.3195e+01	−3.1523e+03	4.4957e+03	−2.2843e+02	1.1339e+01	−2.2842e+03	−1.2054e+03
^{123}Sn	$(\mathrm{p}\gamma)^{124}$Sb	7.0890e+00	5.5	3.0	0.0100	0.01	5.3e−02	
	−7.0444e+01	−1.0624e+01	1.4578e+02	−7.9971e+01	−1.6771e+00	1.5654e−01	8.2501e+01	−4.6211e+01
	0.98 0.93	0.90 0.88	0.87 0.86	0.85 0.85	0.85 0.85	0.88 0.86	0.79 0.43	0.13 0.04
^{123}Sn	$(\mathrm{pn})^{123}$Sb	6.2100e−01	5.5	3.5	0.0100	0.01	5.4e−02	1
	−7.4663e+01	−1.0896e+01	1.6691e+02	−9.3178e+01	−2.6880e+00	4.0131e−01	9.6281e+01	−7.4257e+01
^{123}Sn	$(\mathrm{p}\alpha)^{120}$In	2.7770e+00	5.5	1.0	0.0100	0.01	5.4e+00	0
	−2.2313e+03	3.4701e+01	−3.6033e+03	6.0914e+03	−3.5118e+02	1.9523e+01	−2.8693e+03	−2.2313e+03
^{124}Sn	$(\mathrm{p}\gamma)^{125}$Sb	7.3150e+00	0.0	3.5	0.0100	0.01	9.2e−02	
	2.0787e+00	−1.1207e+01	2.0468e+02	−2.1749e+02	7.1922e+00	−2.8791e−01	1.3880e+02	2.3693e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.95	0.83 0.39	0.15 0.09
^{124}Sn	$(\mathrm{p}\alpha)^{121}$In	2.4660e+00	0.0	4.5	0.0100	0.01	3.4e+00	0
	−1.2908e+03	3.3694e+01	−3.2183e+03	4.6555e+03	−2.3816e+02	1.1962e+01	−2.3501e+03	−1.2945e+03
^{125}Sn	$(\mathrm{p}\gamma)^{126}$Sb	7.7890e+00	5.5	8.0	0.0100	0.01	5.5e−02	
	−8.4477e+01	−1.0936e+01	1.6241e+02	−8.3004e+01	−2.9064e+00	2.9372e−01	9.0706e+01	−6.1131e+01
	0.99 0.96	0.95 0.94	0.93 0.93	0.94 0.93	0.94 0.94	0.93 0.91	0.86 0.56	0.21 0.06
^{125}Sn	$(\mathrm{pn})^{125}$Sb	1.5810e+00	5.5	3.5	0.0100	0.01	5.2e−02	1
	−8.3036e+01	−1.0917e+01	1.6227e+02	−7.8938e+01	−3.7365e+00	4.6563e−01	9.0786e+01	−8.2630e+01
^{125}Sn	$(\mathrm{p}\alpha)^{122}$In	2.5420e+00	5.5	1.0	0.0100	0.01	5.6e−01	0
	−9.4797e+02	3.0644e+01	−2.8902e+03	3.9491e+03	−1.9827e+02	1.0100e+01	−2.0397e+03	−9.4794e+02
^{126}Sn	$(\mathrm{p}\gamma)^{127}$Sb	7.9780e+00	0.0	3.5	0.0100	0.01	6.7e−02	
	−1.3701e+02	−1.0890e+01	1.4053e+02	−2.6952e+00	−9.1971e+00	6.9839e−01	6.1742e+01	−1.1539e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.88 0.49	0.16 0.04

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{126}Sn	$(p\alpha)^{123}$In	2.2720e+00	0.0	4.5	0.0100	0.01	3.3e−01	0
	−1.0474e+03	3.1618e+01	−2.9846e+03	4.1524e+03	−2.1175e+02	1.0744e+01	−2.1245e+03	−1.0511e+03
^{100}Sb	$(p\alpha)^{97}$Sn	5.5000e−02	5.0	4.5	n.c.	0.01	8.6e−03	0
	−2.7993e+02	1.7987e+01	−1.7414e+03	2.0349e+03	−9.6556e+01	4.6617e+00	−1.1046e+03	−2.8117e+02
^{101}Sb	$(p\alpha)^{98}$Sn	8.4400e−01	0.5	0.0	n.c.	0.01	7.1e−02	0
	−7.5752e+02	2.5781e+01	−2.4459e+03	3.2855e+03	−1.6730e+02	8.5044e+00	−1.6954e+03	−7.5817e+02
^{102}Sb	$(p\alpha)^{99}$Sn	2.9280e+00	1.0	4.5	n.c.	0.01	4.2e−02	0
	−4.0949e+02	−6.1671e+00	−2.4088e+02	6.7157e+02	−4.3705e+01	2.4337e+00	−2.5745e+02	−4.1203e+02
^{103}Sb	$(p\gamma)^{104}$Te	1.2500e−01	0.5	0.0	n.c.	0.01	4.7e−02	0
	4.4076e+01	−1.0413e+01	1.8968e+02	−2.4952e+02	1.0206e+01	−4.6306e−01	1.4056e+02	6.8460e+01
^{103}Sb	$(p\alpha)^{100}$Sn	6.2420e+00	0.5	0.0	n.c.	0.01	5.6e−02	0
	2.7687e+01	−1.1109e+01	2.3717e+02	−2.7862e+02	1.0247e+01	−3.7097e−01	1.6842e+02	2.7038e+01
^{104}Sb	$(p\gamma)^{105}$Te	1.9700e−01	1.0	1.5	n.c.	0.01	4.8e−02	0
	−1.5019e+01	−1.0455e+01	1.7688e+02	−1.6901e+02	2.4038e+00	9.1318e−02	1.1802e+02	8.3845e+00
^{104}Sb	$(p\alpha)^{101}$Sn	6.5110e+00	1.0	0.5	n.c.	0.01	5.0e−02	0
	−3.5157e+00	−1.0629e+01	1.9181e+02	−1.9691e+02	5.3984e+00	−7.9805e−02	1.3037e+02	−4.4526e+00
^{105}Sb	$(p\gamma)^{106}$Te	1.3170e+00	0.5	0.0	1.3600	0.01	5.2e−02	0
	5.4472e+00	−1.0731e+01	1.9980e+02	−2.1471e+02	5.6407e+00	−1.2776e−01	1.3793e+02	2.9832e+01
^{105}Sb	$(p\alpha)^{102}$Sn	7.3320e+00	0.5	0.0	1.3600	0.01	4.9e−02	0
	−4.8470e+01	−1.0375e+01	1.6002e+02	−1.1579e+02	−2.1632e−01	2.3675e−01	9.8423e+01	−4.9120e+01
^{106}Sb	$(p\gamma)^{107}$Te	1.3270e+00	1.0	1.5	0.1000	0.01	4.9e−02	0
	−6.4271e+01	−1.0369e+01	1.5383e+02	−9.0749e+01	−3.5951e+00	4.5544e−01	9.0474e+01	−4.0867e+01
^{106}Sb	$(p\alpha)^{103}$Sn	6.8750e+00	1.0	1.5	0.1000	0.01	4.8e−02	0
	−7.2363e+01	−1.0300e+01	1.4768e+02	−7.6223e+01	−3.9614e+00	5.2702e−01	8.4904e+01	−7.3994e+01
^{107}Sb	$(p\gamma)^{108}$Te	2.2200e+00	0.5	0.0	0.6700	0.01	5.0e−02	0
	−6.8467e+01	−1.0451e+01	1.5752e+02	−8.9578e+01	−3.8213e+00	4.4451e−01	9.2135e+01	−4.4082e+01
^{107}Sb	$(p\alpha)^{104}$Sn	5.6620e+00	0.5	0.0	0.6700	0.01	5.0e−02	0
	−6.4902e+01	−1.0365e+01	1.5313e+02	−9.3550e+01	−2.2902e+00	4.0937e−01	9.1023e+01	−6.5553e+01
^{108}Sb	$(p\gamma)^{109}$Te	2.4050e+00	4.0	1.5	0.1050	0.01	5.6e−02	0
	−1.0032e+02	−1.0148e+01	1.2594e+02	−2.3757e+01	−6.9660e+00	5.1418e−01	6.3770e+01	−7.5818e+01
^{108}Sb	$(p\alpha)^{105}$Sn	5.6310e+00	4.0	2.5	0.1050	0.01	1.4e+00	0
	−8.3091e+02	1.9597e+00	−9.2700e+02	1.8497e+03	−1.2258e+02	7.4428e+00	−7.9561e+02	−8.3185e+02
^{109}Sb	$(p\gamma)^{110}$Te	3.3140e+00	2.5	0.0	0.0750	0.01	5.9e−02	0
	−1.0358e+02	−1.0156e+01	1.2397e+02	−1.8301e+01	−7.3107e+00	5.2692e−01	6.1705e+01	−7.8096e+01
^{109}Sb	$(p\alpha)^{106}$Sn	6.0370e+00	2.5	0.0	0.0750	0.01	1.4e+00	0
	−8.6467e+02	2.3275e+00	−9.6368e+02	1.9261e+03	−1.2868e+02	7.8944e+00	−8.2806e+02	−8.6422e+02
^{110}Sb	$(p\gamma)^{111}$Te	3.9480e+00	3.0	0.5	0.0100	0.01	4.8e−02	0
	−1.2299e+02	−1.0016e+01	1.0568e+02	2.2683e+01	−1.0504e+01	8.1434e−01	4.4177e+01	−9.8043e+01
^{110}Sb	$(p\alpha)^{107}$Sn	6.6110e+00	3.0	2.5	0.0100	0.01	5.0e−02	0
	−1.6712e+02	−9.9683e+00	9.6142e+01	7.7425e+01	−1.6852e+01	1.4470e+00	3.0037e+01	−1.6831e+02
^{111}Sb	$(p\gamma)^{112}$Te	3.0750e+00	2.5	0.0	0.0400	0.01	5.4e−02	0
	−5.9588e+01	−1.0625e+01	1.6427e+02	−1.0896e+02	−6.6277e−02	3.3602e−02	9.8574e+01	−3.4104e+01
^{111}Sb	$(p\alpha)^{108}$Sn	5.4040e+00	2.5	0.0	0.0400	0.01	1.5e+00	0
	−8.1638e+02	1.5916e+00	−9.0186e+02	1.8060e+03	−1.2020e+02	7.3790e+00	−7.7496e+02	−8.1593e+02
^{112}Sb	$(p\gamma)^{113}$Te	4.4520e+00	3.0	3.5	0.0100	0.01	4.9e−02	0
	−1.0216e+02	−1.0260e+01	1.2528e+02	−2.1096e+01	−6.8500e+00	5.4178e−01	6.2363e+01	−7.8602e+01
^{112}Sb	$(p\alpha)^{109}$Sn	5.8960e+00	3.0	2.5	0.0100	0.01	1.1e+00	0
	−9.8558e+02	3.7679e+00	−1.1068e+03	2.2017e+03	−1.4445e+02	8.7538e+00	−9.5291e+02	−9.8677e+02
^{113}Sb	$(p\gamma)^{114}$Te	4.3870e+00	2.5	0.0	0.0100	0.01	5.2e−02	0
	−9.8970e+01	−1.0390e+01	1.3448e+02	−3.4465e+01	−6.0744e+00	4.6821e−01	6.9608e+01	−7.3486e+01
^{113}Sb	$(p\alpha)^{110}$Sn	6.2740e+00	2.5	0.0	0.0100	0.01	1.4e+00	0
	−8.8185e+02	2.4454e+00	−9.8561e+02	1.9654e+03	−1.3008e+02	7.9417e+00	−8.4725e+02	−8.8140e+02
^{114}Sb	$(p\gamma)^{115}$Te	4.9760e+00	3.0	3.5	0.0100	0.01	5.1e−02	0
	−8.7558e+01	−1.0552e+01	1.4700e+02	−5.9861e+01	−4.3156e+00	3.7243e−01	8.0529e+01	−6.3999e+01
^{114}Sb	$(p\alpha)^{111}$Sn	6.1320e+00	3.0	3.5	0.0100	0.01	1.4e+00	0
	−8.6269e+02	2.0830e+00	−9.5477e+02	1.9103e+03	−1.2599e+02	7.5911e+00	−8.2122e+02	−8.6417e+02
^{115}Sb	$(p\gamma)^{116}$Te	5.6040e+00	2.5	0.0	0.0100	0.01	5.4e−02	0
	−1.1691e+02	−1.0313e+01	1.2090e+02	−6.0668e−01	−8.6208e+00	6.3569e−01	5.6311e+01	−9.1425e+01
^{115}Sb	$(p\alpha)^{112}$Sn	6.5210e+00	2.5	0.0	0.0100	0.01	1.4e+00	0
	−8.8472e+02	2.3461e+00	−9.8122e+02	1.9622e+03	−1.2983e+02	7.8817e+00	−8.4412e+02	−8.8427e+02
^{116}Sb	$(p\gamma)^{117}$Te	5.5780e+00	3.0	0.5	0.0100	0.01	5.3e−02	

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	−6.6743e+01	−1.0894e+01	1.7335e+02	−1.0903e+02	−1.7693e+00	2.6697e−01	1.0288e+02	−4.1798e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.91 0.79	0.65 0.37	0.15 0.04
^{116}Sb	$(p\alpha)^{113}$Sn	6.3770e+00	3.0	0.5	0.0100	0.01	2.0e+00	
	−7.3870e+02	5.7131e−01	−8.1932e+02	1.6348e+03	−1.0751e+02	6.4414e+00	−7.0219e+02	−7.3879e+02
	1.00 1.01	1.02 1.06	1.13 1.27	1.47 1.71	1.93 2.12	1.91 1.56	1.73 2.22	1.66 0.71
^{117}Sb	$(p\gamma)^{118}$Te	6.3660e+00	2.5	0.0	0.0100	0.01	5.3e−02	
	−1.5537e+02	−1.0150e+01	9.6871e+01	6.7731e+01	−1.4961e+01	1.1087e+00	3.1422e+01	−1.2988e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.95	0.71 0.19	0.05 0.02
^{117}Sb	$(p\alpha)^{114}$Sn	6.7810e+00	2.5	0.0	0.0100	0.01	1.6e+00	
	−8.6071e+02	1.8473e+00	−9.4331e+02	1.8975e+03	−1.2673e+02	7.7859e+00	−8.1346e+02	−8.6027e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.01	0.91 1.15	2.04 1.97
^{118}Sb	$(p\gamma)^{119}$Te	6.4730e+00	1.0	0.5	0.0100	0.01	5.3e−02	
	−7.0870e+01	−1.0867e+01	1.6649e+02	−9.7528e+01	−2.4422e+00	2.9073e−01	9.7135e+01	−4.6772e+01
	1.00 1.00	1.01 1.05	1.12 1.18	1.26 1.34	1.43 1.51	1.56 1.14	0.83 0.36	0.12 0.03
^{118}Sb	$(p\alpha)^{115}$Sn	6.9010e+00	1.0	0.5	0.0100	0.01	1.0e+00	
	−7.7374e+02	2.5962e+00	−9.7813e+02	1.8343e+03	−1.1473e+02	6.7332e+00	−8.1597e+02	−7.7468e+02
	1.04 2.93	5.85 8.64	10.92 12.61	13.01 12.06	10.25 8.09	0.91 0.83	1.00 1.83	3.78 4.41
^{119}Sb	$(p\gamma)^{120}$Te	7.2160e+00	2.5	0.0	0.0100	0.01	5.1e−02	
	−1.3320e+02	−1.0561e+01	1.2870e+02	1.1888e+01	−1.2442e+01	1.0352e+00	5.7743e+01	−1.0771e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.85	0.59 0.19	0.06 0.02
^{119}Sb	$(p\alpha)^{116}$Sn	6.9160e+00	2.5	0.0	0.0100	0.01	2.0e+00	
	−7.6724e+02	8.2102e−01	−8.5107e+02	1.6989e+03	−1.1252e+02	6.8544e+00	−7.3054e+02	−7.6680e+02
	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.99	0.99 0.98	0.93 0.87	0.88 1.83	2.48 1.53
^{120}Sb	$(p\gamma)^{121}$Te	7.4210e+00	1.0	0.5	0.0100	0.01	5.3e−02	
	−8.7419e+01	−1.0641e+01	1.4023e+02	−5.2791e+01	−4.8323e+00	4.2762e−01	7.4701e+01	−6.3320e+01
	10.78 15.02	13.53 11.11	9.28 7.91	6.83 5.87	5.06 4.37	1.60 1.03	0.72 0.32	0.11 0.03
^{120}Sb	$(pn)^{120}$Te	1.9600e−01	1.0	0.0	0.0100	0.01	5.2e−02	
	−1.0931e+02	−1.0558e+01	1.3054e+02	−1.8431e+01	−7.4920e+00	6.8552e−01	6.3829e+01	−1.0821e+02
	1.97 2.19	1.96 1.73	1.56 1.39	1.28 1.20	1.16 1.15	1.12 1.07	1.05 1.04	1.03 1.01
^{120}Sb	$(p\alpha)^{117}$Sn	6.8400e+00	1.0	0.5	0.0100	0.01	1.5e+00	0
	−7.2256e+02	1.8815e+00	−9.2580e+02	1.7240e+03	−1.0579e+02	6.1427e+00	−7.7284e+02	−7.2350e+02
^{121}Sb	$(p\gamma)^{122}$Te	8.0030e+00	2.5	0.0	0.0100	0.01	6.2e−02	
	−4.7309e+01	−1.1298e+01	1.9842e+02	−1.5475e+02	9.2144e−02	2.1595e−01	1.2384e+02	−2.1824e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.01 0.92	0.70 0.24	0.07 0.02
^{121}Sb	$(p\alpha)^{118}$Sn	6.9270e+00	2.5	0.0	0.0100	0.01	1.7e+00	
	−7.1478e+02	6.1990e−01	−8.2825e+02	1.6148e+03	−1.0453e+02	6.3192e+00	−7.0319e+02	−7.1434e+02
	0.99 0.93	0.87 0.83	0.80 0.79	0.77 0.77	0.77 0.78	0.81 0.86	1.00 2.73	8.02 9.35
^{122}Sb	$(p\gamma)^{123}$Te	8.1360e+00	2.0	0.5	0.0100	0.01	5.2e−02	
	−1.0621e+02	−1.0635e+01	1.3181e+02	−2.4345e+01	−7.2764e+00	6.0544e−01	6.4762e+01	−8.1599e+01
	10.96 10.12	8.43 6.79	5.38 4.37	3.65 3.13	2.75 2.46	1.37 0.99	0.73 0.34	0.13 0.04
^{122}Sb	$(pn)^{122}$Te	1.1970e+00	2.0	0.0	0.0100	0.01	5.2e−02	
	−9.6135e+01	−1.0757e+01	1.4428e+02	−4.6430e+01	−5.6549e+00	5.7621e−01	7.5774e+01	−9.4525e+01
	2.46 2.52	2.46 2.27	2.09 1.92	1.77 1.65	1.55 1.48	1.17 1.08	1.05 1.02	1.02 1.01
^{122}Sb	$(p\alpha)^{119}$Sn	6.6060e+00	2.0	0.5	0.0100	0.01	5.8e+00	0
	−1.2910e+03	6.3066e+00	−1.3935e+03	2.8242e+03	−1.8557e+02	1.1313e+01	−1.2191e+03	−1.2914e+03
^{123}Sb	$(p\gamma)^{124}$Te	8.5910e+00	3.5	0.0	0.0100	0.01	5.1e−02	
	−1.1825e+02	−1.0268e+01	1.0146e+02	2.0256e+01	−9.6586e+00	7.1584e−01	4.2148e+01	−9.2482e+01
	1.00 1.00	1.00 0.99	0.99 0.99	0.98 0.97	0.96 0.95	0.93 0.88	0.69 0.22	0.06 0.02
^{123}Sb	$(p\alpha)^{120}$Sn	6.7440e+00	3.5	0.0	0.0100	0.01	1.6e+00	
	−9.0141e+02	2.7347e+00	−1.0293e+03	2.0230e+03	−1.3180e+02	8.0311e+00	−8.7990e+02	−9.0068e+02
	1.00 1.00	1.00 1.00	1.01 1.01	1.02 1.04	1.06 1.08	1.32 1.45	1.76 5.29	15.75 35.50
^{124}Sb	$(p\gamma)^{125}$Te	8.6990e+00	3.0	0.5	0.0100	0.01	5.4e−02	
	−7.4464e+01	−1.1099e+01	1.7140e+02	−1.0099e+02	−2.4922e+00	3.2573e−01	9.9437e+01	−4.9518e+01
	1.35 1.58	1.64 1.62	1.57 1.53	1.49 1.45	1.42 1.40	1.18 0.99	0.80 0.44	0.19 0.06
^{124}Sb	$(pn)^{124}$Te	2.1230e+00	3.0	0.0	0.0100	0.01	5.4e−02	
	−4.9788e+01	−1.1358e+01	1.9570e+02	−1.5082e+02	1.9423e+00	1.7255e−02	1.2085e+02	−4.7842e+01
	0.99 0.96	0.96 0.96	0.97 0.97	0.98 0.98	0.98 0.98	0.99 1.00	1.01 1.10	0.86 0.38
^{124}Sb	$(p\alpha)^{121}$Sn	6.4470e+00	3.0	1.5	0.0100	0.01	2.6e+01	
	−1.8808e+03	2.8172e+01	−3.0520e+03	5.1619e+03	−3.0504e+02	1.7326e+01	−2.4204e+03	−1.8816e+03
	1.22 1.22	1.17 1.13	1.10 1.08	1.06 1.05	1.04 1.03	1.03 1.16	1.59 3.98	4.68 3.09
^{125}Sb	$(p\gamma)^{126}$Te	9.0980e+00	3.5	0.0	0.0100	0.01	5.8e−02	

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	−1.3293e+02	−1.0964e+01	1.4519e+02	−8.5396e+00	−1.1459e+01	1.0598e+00	6.7801e+01	−1.0715e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.97 0.89	0.72 0.28	0.14 0.12
^{125}Sb	$(\mathrm{p}\alpha)^{122}$Sn	6.5460e+00	3.5	0.0	0.0100	0.01	3.8e+01	0
	−1.7019e+03	2.5877e+01	−2.8488e+03	4.7553e+03	−2.7751e+02	1.5827e+01	−2.2450e+03	−1.7012e+03
^{126}Sb	$(\mathrm{p}\gamma)^{127}$Te	9.1810e+00	8.0	1.5	0.0100	0.01	5.4e−02	
	−8.3672e+01	−1.1187e+01	1.7132e+02	−9.1648e+01	−3.3080e+00	3.8708e−01	9.6846e+01	−5.8531e+01
	0.96 0.89	0.84 0.81	0.79 0.78	0.76 0.76	0.75 0.74	0.71 0.66	0.58 0.36	0.17 0.07
^{126}Sb	$(\mathrm{pn})^{126}$Te	2.8910e+00	8.0	0.0	0.0100	0.01	5.4e−02	1
	−8.5340e+01	−1.1160e+01	1.6977e+02	−8.3829e+01	−4.0762e+00	5.1622e−01	9.5305e+01	−8.2507e+01
^{126}Sb	$(\mathrm{p}\alpha)^{123}$Sn	6.2850e+00	8.0	5.5	0.0100	0.01	2.7e+01	
	−1.9080e+03	2.8158e+01	−3.0600e+03	5.1998e+03	−3.0993e+02	1.7878e+01	−2.4314e+03	−1.9090e+03
	1.03 1.07	1.12 1.17	1.23 1.28	1.33 1.40	1.45 1.51	2.07 2.68	3.57 10.19	47.30 99.08
^{127}Sb	$(\mathrm{p}\gamma)^{128}$Te	9.5730e+00	3.5	0.0	0.0100	0.01	6.7e−02	
	−2.8567e+01	−1.1752e+01	2.2438e+02	−2.0749e+02	4.5834e+00	1.6734e−02	1.4535e+02	−2.7936e+00
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.94	0.86 1.30	2.65 2.16
^{127}Sb	$(\mathrm{pn})^{127}$Te	7.9800e−01	3.5	1.5	0.0100	0.01	5.5e−02	
	−7.0469e+01	−1.1264e+01	1.7864e+02	−1.0987e+02	−1.3922e+00	2.6645e−01	1.0445e+02	−6.9776e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.01 0.99	0.80 0.44
^{127}Sb	$(\mathrm{p}\alpha)^{124}$Sn	6.3910e+00	3.5	0.0	0.0100	0.01	4.2e+01	0
	−1.6731e+03	2.6501e+01	−2.8891e+03	4.7586e+03	−2.7082e+02	1.4963e+01	−2.2641e+03	−1.6724e+03
^{128}Sb	$(\mathrm{p}\gamma)^{129}$Te	9.6840e+00	8.0	1.5	0.0100	0.01	5.5e−02	
	−1.1619e+02	−1.0989e+01	1.4672e+02	−3.0520e+01	−8.8310e+00	8.8168e−01	7.3287e+01	−9.1050e+01
	1.19 1.19	1.19 1.17	1.15 1.14	1.12 1.10	1.08 1.07	0.94 0.83	0.70 0.48	0.42 0.46
^{128}Sb	$(\mathrm{pn})^{128}$Te	3.6010e+00	8.0	0.0	0.0100	0.01	5.5e−02	
	−8.7349e+01	−1.1178e+01	1.6658e+02	−7.8149e+01	−4.2773e+00	5.1330e−01	9.2364e+01	−8.4515e+01
	1.31 1.31	1.29 1.27	1.25 1.23	1.22 1.20	1.19 1.18	1.11 1.07	1.05 1.02	0.99 0.82
^{128}Sb	$(\mathrm{p}\alpha)^{125}$Sn	6.1520e+00	8.0	5.5	0.0100	0.01	3.7e+01	0
	−1.7672e+03	2.6448e+01	−2.9082e+03	4.8870e+03	−2.8758e+02	1.6528e+01	−2.2983e+03	−1.7682e+03
^{104}Te	$(\mathrm{p}\alpha)^{101}$Sb	2.1390e+00	0.0	0.5	n.c.	0.01	3.7e+00	0
	−1.2979e+03	3.7627e+00	−1.1982e+03	2.6180e+03	−1.7347e+02	1.0357e+01	−1.0953e+03	−1.2999e+03
^{106}Te	$(\mathrm{p}\alpha)^{103}$Sb	3.4130e+00	0.0	0.5	0.7600	0.01	6.8e−02	0
	−2.5444e+02	−7.2797e+00	−1.3622e+02	3.9583e+02	−2.1632e+01	8.6471e−01	−1.5087e+02	−2.5648e+02
^{107}Te	$(\mathrm{p}\alpha)^{104}$Sb	3.8480e+00	1.5	1.0	0.1450	0.01	6.6e−02	0
	−1.1658e+02	−8.5212e+00	−1.0369e+01	1.2123e+02	−5.5362e+00	8.0379e−02	−3.3338e+01	−1.1764e+02
^{108}Te	$(\mathrm{p}\alpha)^{105}$Sb	3.6610e+00	0.0	0.5	0.2600	0.01	6.3e−02	0
	−5.0909e+02	−4.8703e+00	−3.7410e+02	9.2161e+02	−6.0029e+01	3.3771e+00	−3.6790e+02	−5.1112e+02
^{109}Te	$(\mathrm{p}\gamma)^{110}$I	5.9400e−01	1.5	1.0	0.0250	0.01	5.1e−02	0
	−8.2058e+01	−1.0576e+01	1.5197e+02	−7.0128e+01	−4.8140e+00	4.6309e−01	8.5400e+01	−5.8078e+01
^{109}Te	$(\mathrm{p}\alpha)^{106}$Sb	4.1750e+00	1.5	1.0	0.0250	0.01	1.4e+00	0
	−1.0308e+03	4.6562e+00	−1.1862e+03	2.3290e+03	−1.4964e+02	8.9022e+00	−1.0168e+03	−1.0318e+03
^{110}Te	$(\mathrm{p}\gamma)^{111}$I	6.6000e−02	0.0	2.5	0.0400	0.01	5.6e−02	0
	−4.5003e+01	−1.1032e+01	1.9359e+02	−1.5465e+02	2.8537e−01	1.4663e−01	1.2259e+02	−2.3103e+01
^{110}Te	$(\mathrm{p}\alpha)^{107}$Sb	3.6480e+00	0.0	0.5	0.0400	0.01	8.9e−02	0
	−2.6341e+02	−7.1810e+00	−1.4958e+02	4.2203e+02	−2.4857e+01	1.1634e+00	−1.6050e+02	−2.6545e+02
^{111}Te	$(\mathrm{p}\gamma)^{112}$I	9.3800e−01	0.5	1.0	0.0100	0.01	5.0e−02	0
	−1.0142e+02	−1.0452e+01	1.3418e+02	−3.0701e+01	−7.3009e+00	5.9444e−01	6.8826e+01	−7.8133e+01
^{111}Te	$(\mathrm{p}\alpha)^{108}$Sb	3.9660e+00	0.5	4.0	0.0100	0.01	1.2e+00	0
	−1.0904e+03	5.3972e+00	−1.2621e+03	2.4697e+03	−1.5736e+02	9.3510e+00	−1.0828e+03	−1.0933e+03
^{112}Te	$(\mathrm{p}\gamma)^{113}$I	1.1540e+00	0.0	0.5	0.0250	0.01	5.4e−02	0
	−8.9131e+01	−1.0591e+01	1.4565e+02	−5.7139e+01	−4.7073e+00	3.7183e−01	7.9548e+01	−6.6132e+01
^{112}Te	$(\mathrm{p}\alpha)^{109}$Sb	3.8600e+00	0.0	2.5	0.0250	0.01	1.9e+01	0
	−1.8172e+03	2.6681e+01	−2.9099e+03	4.9495e+03	−2.9516e+02	1.6897e+01	−2.3094e+03	−1.8204e+03
^{113}Te	$(\mathrm{p}\gamma)^{114}$I	1.8910e+00	3.5	1.0	0.0100	0.01	5.2e−02	0
	−9.8844e+01	−1.0558e+01	1.3896e+02	−3.9246e+01	−6.1150e+00	4.7482e−01	7.2699e+01	−7.4171e+01
^{113}Te	$(\mathrm{p}\alpha)^{110}$Sb	4.0080e+00	3.5	3.0	0.0100	0.01	9.6e−01	0
	−1.0312e+03	4.9638e+00	−1.2162e+03	2.3590e+03	−1.4902e+02	8.7011e+00	−1.0368e+03	−1.0324e+03
^{114}Te	$(\mathrm{p}\gamma)^{115}$I	1.4400e+00	0.0	2.5	0.0100	0.01	6.2e−02	0
	−1.0410e+02	−1.0689e+01	1.4694e+02	−4.1050e+01	−8.0327e+00	6.4357e−01	7.7479e+01	−8.2197e+01
^{114}Te	$(\mathrm{p}\alpha)^{111}$Sb	4.8150e+00	0.0	2.5	0.0100	0.01	6.6e−02	0
	1.0922e+01	−1.0816e+01	1.7899e+02	−2.0735e+02	1.1569e+01	−7.7868e−01	1.2411e+02	7.7843e+00
^{115}Te	$(\mathrm{p}\gamma)^{116}$I	2.4970e+00	3.5	1.0	0.0100	0.01	5.7e−02	0

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	−1.2448e+02	−1.0399e+01	1.1778e+02	1.0566e+01	−9.5790e+00	6.8568e−01	5.2643e+01	−9.9807e+01
^{115}Te	$(p\alpha)^{112}$Sb	4.1040e+00	3.5	3.0	0.0100	0.01	1.3e+01	0
	−1.9279e+03	2.8719e+01	−3.0866e+03	5.2513e+03	−3.1190e+02	1.7701e+01	−2.4514e+03	−1.9291e+03
^{116}Te	$(p\gamma)^{117}$I	2.4240e+00	0.0	2.5	0.0100	0.01	5.5e−02	0
	−6.9586e+01	−1.0900e+01	1.6470e+02	−9.8875e+01	−7.7706e−01	5.6401e−02	9.6375e+01	−4.7685e+01
^{116}Te	$(p\alpha)^{113}$Sb	3.9720e+00	0.0	2.5	0.0100	0.01	2.1e+01	0
	−1.8819e+03	2.7450e+01	−2.9865e+03	5.0969e+03	−3.0407e+02	1.7358e+01	−2.3742e+03	−1.8850e+03
^{117}Te	$(p\gamma)^{118}$I	2.8570e+00	0.5	2.0	0.0100	0.01	5.4e−02	0
	−1.0412e+02	−1.0674e+01	1.3855e+02	−3.3290e+01	−6.2923e+00	4.6795e−01	7.0971e+01	−8.1347e+01
^{117}Te	$(p\alpha)^{114}$Sb	4.4350e+00	0.5	3.0	0.0100	0.01	1.7e+01	0
	−1.8206e+03	2.7737e+01	−2.9903e+03	5.0371e+03	−2.9845e+02	1.6988e+01	−2.3612e+03	−1.8232e+03
^{118}Te	$(p\gamma)^{119}$I	3.2370e+00	0.0	2.5	0.0100	0.01	5.7e−02	
	−7.1593e+01	−1.0948e+01	1.6378e+02	−9.5767e+01	−8.3000e−01	5.4001e−02	9.5096e+01	−4.9692e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.03	1.06 0.71	0.18 0.03
^{118}Te	$(p\alpha)^{115}$Sb	4.1480e+00	0.0	2.5	0.0100	0.01	2.4e+01	
	−1.8547e+03	2.7233e+01	−2.9692e+03	5.0484e+03	−2.9966e+02	1.7019e+01	−2.3567e+03	−1.8578e+03
	1.00 1.00	1.00 1.00	1.01 1.03	1.06 1.09	1.11 1.11	1.44 1.95	2.90 8.38	13.11 8.02
^{119}Te	$(p\gamma)^{120}$I	3.8940e+00	0.5	2.0	0.0100	0.01	5.4e−02	
	−1.0633e+02	−1.0771e+01	1.4135e+02	−3.3265e+01	−6.6769e+00	5.0138e−01	7.2197e+01	−8.3556e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.95	0.85 0.42	0.12 0.03
^{119}Te	$(p\alpha)^{116}$Sb	4.5010e+00	0.5	3.0	0.0100	0.01	1.3e+01	0
	−1.5663e+03	2.5718e+01	−2.7819e+03	4.5460e+03	−2.6402e+02	1.4882e+01	−2.1615e+03	−1.5689e+03
^{120}Te	$(p\gamma)^{121}$I	4.1720e+00	0.0	2.5	0.0100	0.01	5.9e−02	
	−1.0637e+02	−1.0744e+01	1.3726e+02	−2.9531e+01	−6.1549e+00	4.0392e−01	6.9283e+01	−8.4466e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.94 0.40	0.08 0.01
^{120}Te	$(p\alpha)^{117}$Sb	4.1050e+00	0.0	2.5	0.0100	0.01	2.4e+01	
	−1.9178e+03	2.7650e+01	−3.0167e+03	5.1658e+03	−3.0921e+02	1.7696e+01	−2.4022e+03	−1.9209e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.03 1.05	1.54 2.22	2.78 7.42	15.64 11.83
^{121}Te	$(p\gamma)^{122}$I	4.8050e+00	0.5	1.0	0.0100	0.01	5.5e−02	
	−9.2846e+01	−1.1064e+01	1.6249e+02	−6.8696e+01	−5.3703e+00	4.8428e−01	8.9355e+01	−6.9558e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.97 0.93	0.80 0.35	0.09 0.02
^{121}Te	$(p\alpha)^{118}$Sb	4.3060e+00	0.5	1.0	0.0100	0.01	1.8e+01	0
	−1.4254e+03	2.3878e+01	−2.6155e+03	4.2232e+03	−2.4554e+02	1.3980e+01	−2.0168e+03	−1.4272e+03
^{122}Te	$(p\gamma)^{123}$I	4.9150e+00	0.0	2.5	0.0100	0.01	5.9e−02	
	−1.4350e+02	−1.0555e+01	1.1139e+02	3.8965e+01	−1.2132e+01	8.2997e−01	4.3403e+01	−1.2160e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.97	0.79 0.25	0.04 0.01
^{122}Te	$(p\alpha)^{119}$Sb	4.0330e+00	0.0	2.5	0.0100	0.01	2.8e+01	
	−1.9066e+03	2.7176e+01	−2.9824e+03	5.1184e+03	−3.0810e+02	1.7765e+01	−2.3762e+03	−1.9098e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.03 1.05	1.69 2.05	2.28 9.03	25.98 23.92
^{123}Te	$(p\gamma)^{124}$I	5.4820e+00	0.5	2.0	0.0100	0.01	6.3e−02	
	−5.2981e+01	−1.1420e+01	1.9397e+02	−1.4486e+02	8.3964e−02	1.4981e−01	1.1940e+02	−3.0204e+01
	1.00 1.00	1.00 1.00	1.00 0.99	0.99 1.00	0.99 0.99	1.06 0.99	0.76 0.29	0.08 0.02
^{123}Te	$(p\alpha)^{120}$Sb	4.1140e+00	0.5	1.0	0.0100	0.01	1.9e+01	0
	−1.3291e+03	2.5277e+01	−2.6979e+03	4.1948e+03	−2.3138e+02	1.2570e+01	−2.0492e+03	−1.3309e+03
^{124}Te	$(p\gamma)^{125}$I	5.6080e+00	0.0	2.5	0.0100	0.01	5.3e−02	
	−1.6195e+02	−1.0601e+01	1.0732e+02	6.4974e+01	−1.5779e+01	1.1660e+00	3.6443e+01	−1.4005e+02
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.86	0.61 0.18	0.03 0.01
^{124}Te	$(p\alpha)^{121}$Sb	3.9300e+00	0.0	2.5	0.0100	0.01	1.8e+01	
	−1.7651e+03	3.4947e+01	−3.4637e+03	5.4516e+03	−3.0853e+02	1.7107e+01	−2.6382e+03	−1.7682e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.01	1.03 1.05	1.59 1.62	2.32 14.62	47.87 65.18
^{125}Te	$(p\gamma)^{126}$I	6.1760e+00	0.5	2.0	0.0100	0.01	5.1e−02	
	−1.1717e+02	−1.0757e+01	1.2557e+02	−5.4520e+00	−9.0234e+00	7.0976e−01	5.8335e+01	−9.4395e+01
	1.00 1.00	0.98 0.99	0.98 1.06	1.24 1.48	1.71 1.86	1.39 1.01	0.75 0.29	0.08 0.02
^{125}Te	$(p\alpha)^{122}$Sb	4.1600e+00	0.5	2.0	0.0100	0.01	1.0e+01	0
	−1.7137e+03	2.9849e+01	−3.1379e+03	5.0597e+03	−2.8246e+02	1.5240e+01	−2.4362e+03	−1.7159e+03
^{126}Te	$(p\gamma)^{127}$I	6.2060e+00	0.0	2.5	0.0100	0.01	5.6e−02	
	−1.1858e+02	−1.1207e+01	1.5845e+02	−3.3821e+01	−1.0462e+01	9.4923e−01	8.0535e+01	−9.6679e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.95 0.78	0.58 0.20	0.05 0.01
^{126}Te	$(p\alpha)^{123}$Sb	4.0160e+00	0.0	3.5	0.0100	0.01	1.4e+01	
	−1.6383e+03	3.4558e+01	−3.4081e+03	5.2515e+03	−2.8957e+02	1.5669e+01	−2.5712e+03	−1.6417e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.01	1.01 1.02	1.18 1.67	3.14 25.54	72.62 59.21

Target	Reaction	Q	J_i	J_f	T_{low}^{HF}	T_{low}^{fit}	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^{rev}
T_9^{SEF}:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
^{127}Te	$(p\gamma)^{128}$I	6.7410e+00	1.5	1.0	0.0100	0.01	5.2e−02	
	−9.3494e+01	−1.1182e+01	1.5938e+02	−6.7636e+01	−5.1893e+00	4.8984e−01	8.6797e+01	−6.9513e+01
	1.00 1.09	1.41 1.66	1.72 1.68	1.61 1.53	1.46 1.41	1.14 0.97	0.77 0.33	0.10 0.03
^{127}Te	$(p\alpha)^{124}$Sb	4.1920e+00	1.5	3.0	0.0100	0.01	1.7e+02	0
	−2.4939e+03	3.4385e+01	−3.6788e+03	6.4676e+03	−3.8843e+02	2.2218e+01	−2.9855e+03	−2.4958e+03
^{128}Te	$(p\gamma)^{129}$I	6.7990e+00	0.0	3.5	0.0100	0.01	8.2e−02	
	2.4434e+01	−1.2334e+01	2.6970e+02	−3.0731e+02	1.0696e+01	−4.2898e−01	1.8746e+02	4.6049e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.95 0.83	0.69 0.30	0.09 0.03
^{128}Te	$(p\alpha)^{125}$Sb	4.1330e+00	0.0	3.5	0.0100	0.01	6.0e+00	0
	−1.6718e+03	3.5874e+01	−3.5159e+03	5.3955e+03	−2.9505e+02	1.5993e+01	−2.6507e+03	−1.6752e+03
^{129}Te	$(p\gamma)^{130}$I	7.2160e+00	1.5	5.0	0.0100	0.01	1.7e+00	
	−8.8842e+02	2.2554e+00	−1.0144e+03	2.0046e+03	−1.3207e+02	7.9625e+00	−8.7007e+02	−8.6574e+02
	1.00 1.02	1.13 1.24	1.31 1.33	1.33 1.32	1.31 1.29	1.12 0.98	0.83 0.46	0.17 0.06
^{129}Te	$(pn)^{129}$I	7.1600e−01	1.5	3.5	0.0100	0.01	5.6e−02	
	−8.4251e+01	−1.1396e+01	1.7333e+02	−8.9714e+01	−3.2822e+00	4.3289e−01	9.7721e+01	−8.4944e+01
	1.00 1.00	1.00 1.00	0.99 0.99	0.99 0.99	0.99 1.00	1.00 1.00	1.01 1.02	1.03 0.80
^{129}Te	$(p\alpha)^{126}$Sb	4.2570e+00	1.5	8.0	0.0100	0.01	1.1e+01	0
	−1.8588e+03	3.6888e+01	−3.6354e+03	5.7235e+03	−3.2158e+02	1.7723e+01	−2.7733e+03	−1.8616e+03
^{130}Te	$(p\gamma)^{131}$I	7.3800e+00	0.0	3.5	0.0100	0.01	7.2e−02	
	−6.9698e+01	−1.0698e+01	1.2189e+02	−5.7083e+01	−1.4987e+00	8.4244e−02	6.6149e+01	−4.8083e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.98 0.90	0.74 0.37	0.14 0.04
^{130}Te	$(p\alpha)^{127}$Sb	4.2200e+00	0.0	3.5	0.0100	0.01	3.4e+01	
	−2.1120e+03	3.0926e+01	−3.3210e+03	5.6819e+03	−3.3761e+02	1.9275e+01	−2.6499e+03	−2.1155e+03
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.26 2.01	3.43 14.13	52.34 71.51
^{103}I	$(p\alpha)^{100}$Te	3.6300e−01	1.5	0.0	n.c.	0.01	1.3e−02	0
	−2.9905e+02	1.9698e+01	−1.8859e+03	2.2033e+03	−1.0332e+02	4.9654e+00	−1.2018e+03	−2.9900e+02
^{104}I	$(p\alpha)^{101}$Te	1.5470e+00	1.0	4.5	n.c.	0.01	1.9e+00	0
	−1.6513e+03	3.6384e+01	−3.4896e+03	5.3390e+03	−2.9366e+02	1.5816e+01	−2.6165e+03	−1.6538e+03
^{105}I	$(p\alpha)^{102}$Te	4.4530e+00	0.5	0.0	n.c.	0.01	5.0e−02	0
	−1.9124e+01	−9.8789e+00	1.1338e+02	−1.0852e+02	5.2253e+00	−2.9911e−01	7.4084e+01	−1.9774e+01
^{106}I	$(p\alpha)^{103}$Te	4.8270e+00	1.0	0.5	n.c.	0.01	4.8e−02	0
	5.7356e−01	−9.8801e+00	1.1331e+02	−1.2969e+02	8.5147e+00	−5.6944e−01	7.7193e+01	−3.6421e−01
^{107}I	$(p\gamma)^{108}$Xe	1.5100e−01	0.5	0.0	n.c.	0.01	5.2e−02	0
	−1.4351e+01	−1.0368e+01	1.4749e+02	−1.4352e+02	3.4889e+00	−1.3612e−01	9.7960e+01	1.0034e+01
^{107}I	$(p\alpha)^{104}$Te	5.6760e+00	0.5	0.0	n.c.	0.01	5.5e−02	0
	−1.5779e+01	−1.0926e+01	1.8720e+02	−1.8179e+02	4.5791e+00	9.4806e−03	1.2369e+02	−1.6430e+01
^{108}I	$(p\gamma)^{109}$Xe	3.6300e−01	1.0	1.5	n.c.	0.01	5.4e−02	0
	−6.5043e+01	−1.0825e+01	1.6794e+02	−1.0427e+02	−3.5610e+00	4.8300e−01	9.9795e+01	−4.1639e+01
^{108}I	$(p\alpha)^{105}$Te	5.1700e+00	1.0	1.5	n.c.	0.01	1.8e+00	0
	−7.6884e+02	1.0863e+00	−8.6772e+02	1.7225e+03	−1.1473e+02	7.1107e+00	−7.4308e+02	−7.7047e+02
^{109}I	$(p\gamma)^{110}$Xe	1.1910e+00	0.5	0.0	n.c.	0.01	5.4e−02	0
	−6.3114e+01	−1.0886e+01	1.7116e+02	−1.1036e+02	−2.7566e+00	3.8189e−01	1.0253e+02	−3.8728e+01
^{109}I	$(p\alpha)^{106}$Te	5.7980e+00	0.5	0.0	n.c.	0.01	5.4e−02	0
	−4.5743e+01	−1.1014e+01	1.8430e+02	−1.4717e+02	9.3607e−01	2.7667e−01	1.1564e+02	−4.6394e+01
^{110}I	$(p\gamma)^{111}$Xe	1.2820e+00	1.0	0.5	0.0900	0.01	5.1e−02	0
	−1.0544e+02	−1.0566e+01	1.3573e+02	−2.7388e+01	−8.5535e+00	7.5161e−01	6.8953e+01	−8.1346e+01
^{110}I	$(p\alpha)^{107}$Te	5.3600e+00	1.0	1.5	0.0900	0.01	1.8e+00	0
	−8.6576e+02	1.7770e+00	−9.4378e+02	1.9063e+03	−1.2828e+02	7.9637e+00	−8.1572e+02	−8.6740e+02
^{111}I	$(p\gamma)^{112}$Xe	2.1760e+00	2.5	0.0	0.3700	0.01	5.3e−02	0
	−1.0604e+02	−1.0661e+01	1.4152e+02	−3.3325e+01	−8.2074e+00	6.9114e−01	7.3150e+01	−8.0553e+01
^{111}I	$(p\alpha)^{108}$Te	5.4930e+00	2.5	0.0	0.3700	0.01	1.8e+00	0
	−8.1077e+02	1.3766e+00	−9.0103e+02	1.7999e+03	−1.2030e+02	7.4442e+00	−7.7311e+02	−8.1032e+02
^{112}I	$(p\gamma)^{113}$Xe	2.3550e+00	1.0	1.5	0.0450	0.01	5.0e−02	0
	−1.2628e+02	−1.0402e+01	1.1463e+02	1.6396e+01	−1.0735e+01	8.2662e−01	4.9864e+01	−1.0287e+02
^{112}I	$(p\alpha)^{109}$Te	5.4510e+00	1.0	1.5	0.0450	0.01	1.5e+00	0
	−9.6303e+02	3.0679e+00	−1.0662e+03	2.1364e+03	−1.4151e+02	8.6564e+00	−9.2046e+02	−9.6466e+02
^{113}I	$(p\gamma)^{114}$Xe	3.2030e+00	0.5	0.0	0.0750	0.01	5.1e−02	0
	−1.1583e+02	−1.0534e+01	1.2501e+02	−6.0307e+00	−8.9448e+00	6.8258e−01	5.9304e+01	−9.1448e+01
^{113}I	$(p\alpha)^{110}$Te	5.8530e+00	0.5	0.0	0.0750	0.01	1.5e+00	0
	−9.4092e+02	2.7562e+00	−1.0426e+03	2.0883e+03	−1.3802e+02	8.4362e+00	−9.0073e+02	−9.4157e+02
^{114}I	$(p\gamma)^{115}$Xe	3.2930e+00	1.0	2.5	0.0100	0.01	5.3e−02	0

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	−1.3189e+02	−1.0520e+01	1.1936e+02	1.7325e+01	−1.1201e+01	8.6733e−01	5.2273e+01	−1.0889e+02
^{114}I	$(p\alpha)^{111}$Te	6.3100e+00	1.0	0.5	0.0100	0.01	1.4e+00	0
	−9.0165e+02	2.3265e+00	−9.9695e+02	1.9995e+03	−1.3317e+02	8.1334e+00	−8.5818e+02	−9.0259e+02
^{115}I	$(p\gamma)^{116}$Xe	4.8470e+00	2.5	0.0	0.0400	0.01	6.4e−02	0
	−1.3455e+02	−1.0442e+01	1.1075e+02	2.8274e+01	−1.0845e+01	7.3997e−01	4.5734e+01	−1.0907e+02
^{115}I	$(p\alpha)^{112}$Te	6.4500e+00	2.5	0.0	0.0400	0.01	1.5e+00	0
	−9.2749e+02	2.5920e+00	−1.0255e+03	2.0540e+03	−1.3539e+02	8.1683e+00	−8.8345e+02	−9.2705e+02
^{116}I	$(p\gamma)^{117}$Xe	3.7240e+00	1.0	2.5	0.0100	0.01	5.2e−02	0
	−1.1674e+02	−1.0588e+01	1.2249e+02	−3.0321e+00	−8.2465e+00	6.0685e−01	5.7057e+01	−9.3745e+01
^{116}I	$(p\alpha)^{113}$Te	6.0590e+00	1.0	3.5	0.0100	0.01	1.4e+00	0
	−9.8213e+02	3.2933e+00	−1.0950e+03	2.1860e+03	−1.4342e+02	8.6637e+00	−9.4421e+02	−9.8445e+02
^{117}I	$(p\gamma)^{118}$Xe	4.5660e+00	2.5	0.0	0.0100	0.01	5.5e−02	0
	−1.0099e+02	−1.0859e+01	1.4499e+02	−4.3837e+01	−5.6303e+00	4.1323e−01	7.6120e+01	−7.5502e+01
^{117}I	$(p\alpha)^{114}$Te	5.9350e+00	2.5	0.0	0.0100	0.01	2.8e+01	0
	−1.8783e+03	2.7707e+01	−3.0202e+03	5.1336e+03	−3.0612e+02	1.7566e+01	−2.3987e+03	−1.8779e+03
^{118}I	$(p\gamma)^{119}$Xe	5.2800e+00	2.0	2.5	0.0100	0.01	5.3e−02	0
	−1.0452e+02	−1.0889e+01	1.4458e+02	−3.9018e+01	−6.4418e+00	5.1993e−01	7.5012e+01	−8.1011e+01
^{118}I	$(p\alpha)^{115}$Te	6.5540e+00	2.0	3.5	0.0100	0.01	1.5e+00	0
	−8.4505e+02	3.0998e+00	−1.0450e+03	1.9833e+03	−1.2626e+02	7.5139e+00	−8.7578e+02	−8.4687e+02
^{119}I	$(p\gamma)^{120}$Xe	5.4480e+00	2.5	0.0	0.0100	0.01	5.7e−02	0
	−1.0723e+02	−1.0876e+01	1.4089e+02	−3.2603e+01	−6.3980e+00	4.6886e−01	7.1762e+01	−8.1740e+01
^{119}I	$(p\alpha)^{116}$Te	6.5150e+00	2.5	0.0	0.0100	0.01	1.6e+00	0
	−9.1105e+02	2.2531e+00	−1.0042e+03	2.0135e+03	−1.3284e+02	8.0085e+00	−8.6531e+02	−9.1060e+02
^{120}I	$(p\gamma)^{121}$Xe	6.0550e+00	2.0	2.5	0.0100	0.01	5.5e−02	
	−1.2827e+02	−1.0650e+01	1.1502e+02	1.7519e+01	−9.2861e+00	6.3442e−01	4.8333e+01	−1.0475e+02
	10.64 9.46	7.10 5.13	3.85 3.04	2.53 2.19	1.96 1.79	1.34 1.40	1.31 0.64	0.19 0.04
^{120}I	$(p\alpha)^{117}$Te	6.1860e+00	2.0	0.5	0.0100	0.01	1.7e+00	0
	−8.8753e+02	2.6044e+00	−1.0332e+03	2.0187e+03	−1.2988e+02	7.7743e+00	−8.8251e+02	−8.8796e+02
^{121}I	$(p\gamma)^{122}$Xe	6.1820e+00	2.5	0.0	0.0100	0.01	5.5e−02	
	−1.1489e+02	−1.0939e+01	1.4002e+02	−2.2697e+01	−7.7217e+00	5.7594e−01	6.9294e+01	−8.9403e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.99 0.94	0.81 0.40	0.11 0.02
^{121}I	$(p\alpha)^{118}$Te	6.3000e+00	2.5	0.0	0.0100	0.01	3.0e+01	
	−1.9743e+03	2.8718e+01	−3.1223e+03	5.3443e+03	−3.2125e+02	1.8554e+01	−2.4883e+03	−1.9739e+03
	1.00 1.00	1.02 1.05	1.08 1.12	1.15 1.18	1.22 1.28	1.77 1.68	1.70 2.45	3.85 4.89
^{122}I	$(p\gamma)^{123}$Xe	6.4730e+00	1.0	0.5	0.0100	0.01	5.6e−02	
	−9.2649e+01	−1.1218e+01	1.6389e+02	−7.0908e+01	−5.2082e+00	4.8715e−01	9.0351e+01	−6.8550e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.02 1.04	1.06 1.09	1.46 1.18	0.82 0.34	0.10 0.03
^{122}I	$(p\alpha)^{119}$Te	5.9740e+00	1.0	0.5	0.0100	0.01	2.6e+01	0
	−1.7020e+03	2.7391e+01	−2.9577e+03	4.8788e+03	−2.8543e+02	1.6255e+01	−2.3136e+03	−1.7029e+03
^{123}I	$(p\gamma)^{124}$Xe	7.0180e+00	2.5	0.0	0.0100	0.01	5.5e−02	
	−1.1878e+02	−1.1083e+01	1.4625e+02	−2.3593e+01	−8.9683e+00	7.2126e−01	7.2503e+01	−9.3300e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.01 1.00	1.00 1.00	0.98 0.88	0.72 0.30	0.08 0.02
^{123}I	$(p\alpha)^{120}$Te	6.3340e+00	2.5	0.0	0.0100	0.01	1.7e+01	
	−1.7601e+03	2.8143e+01	−3.0261e+03	5.0123e+03	−2.9476e+02	1.6880e+01	−2.3718e+03	−1.7596e+03
	1.00 1.21	6.10 22.48	44.25 58.85	61.63 55.70	46.15 36.62	5.10 2.21	1.44 2.11	5.51 10.65
^{124}I	$(p\gamma)^{125}$Xe	7.1150e+00	2.0	0.5	0.0100	0.01	5.9e−02	
	−1.0441e+02	−1.1322e+01	1.6429e+02	−5.8463e+01	−6.8294e+00	6.2514e−01	8.7450e+01	−7.9795e+01
	1.00 1.00	1.02 1.09	1.21 1.33	1.46 1.58	1.71 1.80	1.68 1.10	0.73 0.29	0.09 0.02
^{124}I	$(p\alpha)^{121}$Te	6.0530e+00	2.0	0.5	0.0100	0.01	2.7e+00	0
	−6.3410e+02	9.5720e−01	−8.4762e+02	1.5500e+03	−9.7801e+01	5.9148e+00	−6.9415e+02	−6.3453e+02
^{125}I	$(p\gamma)^{126}$Xe	7.6200e+00	2.5	0.0	0.0100	0.01	6.1e−02	
	−7.9265e+01	−1.1553e+01	1.8615e+02	−1.0736e+02	−3.7453e+00	4.4220e−01	1.0813e+02	−5.3780e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	1.00 1.00	0.90 0.78	0.61 0.23	0.06 0.01
^{125}I	$(p\alpha)^{122}$Te	6.3240e+00	2.5	0.0	0.0100	0.01	3.8e+01	
	−1.8589e+03	2.7951e+01	−3.0468e+03	5.1360e+03	−3.0368e+02	1.7246e+01	−2.4109e+03	−1.8584e+03
	1.00 1.00	1.00 0.99	0.99 0.99	1.01 1.02	1.03 1.04	1.21 1.13	1.24 2.58	2.36 0.97
^{126}I	$(p\gamma)^{127}$Xe	7.6990e+00	2.0	0.5	0.0100	0.01	5.2e−02	
	−7.4971e+01	−1.1407e+01	1.7470e+02	−1.0266e+02	−2.7900e+00	3.3914e−01	1.0165e+02	−5.0361e+01
	1.01 1.22	1.63 1.99	2.20 2.26	2.23 2.16	2.05 1.94	1.25 0.91	0.66 0.28	0.09 0.03
^{126}I	$(pn)^{126}$Xe	4.7600e−01	2.0	0.0	0.0100	0.01	5.7e−02	
	−1.0717e+02	−1.1210e+01	1.5223e+02	−4.3158e+01	−6.8269e+00	6.7918e−01	7.8846e+01	−1.0556e+02

Target	Reaction	Q	J_i	J_f	$T_\mathrm{low}^\mathrm{HF}$	$T_\mathrm{low}^\mathrm{fit}$	Dev	SEF
	a_0	a_1	a_2	a_3	a_4	a_5	a_6	a_0^rev
T_9^SEF:	0.1 0.2	0.3 0.4	0.5 0.6	0.7 0.8	0.9 1.0	2.0 3.0	4.0 6.0	8.0 10.0
	1.00 1.01	1.01 0.97	0.94 0.92	0.91 0.91	0.92 0.93	0.98 1.00	1.01 1.03	1.02 1.01
^{126}I	$(\mathrm{p}\alpha)^{123}$Te	6.1200e+00	2.0	0.5	0.0100	0.01	1.1e+00	0
	−9.2485e+02	5.3332e+00	−1.2464e+03	2.2697e+03	−1.3702e+02	7.8664e+00	−1.0304e+03	−9.2529e+02
^{127}I	$(\mathrm{p}\gamma)^{128}$Xe	8.1620e+00	2.5	0.0	0.0100	0.01	8.1e−02	
	−3.8140e+01	−1.1627e+01	1.9652e+02	−1.6515e+02	2.6410e+00	−6.5003e−02	1.2414e+02	−1.2654e+01
	1.00 1.00	1.00 1.00	1.00 1.00	1.00 0.99	0.99 0.98	0.94 0.87	0.69 0.26	0.07 0.02
^{127}I	$(\mathrm{p}\alpha)^{124}$Te	6.4000e+00	2.5	0.0	0.0100	0.01	2.0e+01	0
	−1.9581e+03	2.9525e+01	−3.1870e+03	5.3881e+03	−3.2041e+02	1.8508e+01	−2.5266e+03	−1.9577e+03
^{128}I	$(\mathrm{p}\gamma)^{129}$Xe	8.2440e+00	1.0	0.5	0.0100	0.01	5.6e−02	
	−9.5419e+01	−1.1383e+01	1.6465e+02	−7.0475e+01	−5.8208e+00	6.1431e−01	9.0280e+01	−7.1319e+01
	1.02 1.06	1.09 1.12	1.12 1.11	1.08 1.06	1.05 1.03	0.95 0.85	0.70 0.38	0.20 0.10
^{128}I	$(\mathrm{pn})^{128}$Xe	1.3360e+00	1.0	0.0	0.0100	0.01	6.0e−02	
	−6.1703e+01	−1.1712e+01	1.9516e+02	−1.3778e+02	7.0315e−01	9.6620e−02	1.1756e+02	−6.0605e+01
	1.01 0.99	0.98 0.98	0.98 0.99	0.99 0.99	0.99 0.99	1.00 1.00	1.01 1.10	0.81 0.33
^{128}I	$(\mathrm{p}\alpha)^{125}$Te	6.1510e+00	1.0	0.5	0.0100	0.01	3.9e+01	
	−1.8483e+03	2.7995e+01	−3.0535e+03	5.1256e+03	−3.0024e+02	1.6981e+01	−2.4125e+03	−1.8493e+03
	1.00 1.02	1.10 1.06	0.98 0.94	0.90 0.88	0.87 0.86	0.90 1.07	1.78 17.11	40.96 15.33
^{129}I	$(\mathrm{p}\gamma)^{130}$Xe	8.6670e+00	3.5	0.0	0.0100	0.01	6.6e−02	
	−2.1358e+02	−1.0004e+01	3.1227e+01	1.9532e+02	−2.2264e+01	1.5031e+00	−2.7495e+01	−1.8780e+02
	1.00 1.00	0.95 0.93	0.92 0.90	0.90 0.90	0.90 0.90	0.90 0.83	0.68 0.28	0.08 0.02
^{129}I	$(\mathrm{p}\alpha)^{126}$Te	6.4320e+00	3.5	0.0	0.0100	0.01	4.6e+01	
	−2.0466e+03	2.9479e+01	−3.2135e+03	5.5101e+03	−3.3045e+02	1.9116e+01	−2.5666e+03	−2.0459e+03
	1.02 1.10	1.04 1.06	1.09 1.13	1.17 1.20	1.23 1.27	1.46 1.57	1.87 5.69	18.93 44.97
^{130}I	$(\mathrm{p}\gamma)^{131}$Xe	8.7720e+00	5.0	1.5	0.0100	0.01	5.9e−02	
	−1.0406e+02	−1.1628e+01	1.7616e+02	−7.2912e+01	−7.0244e+00	8.2350e−01	9.5494e+01	−7.9350e+01
	0.99 0.93	0.91 0.90	0.90 0.90	0.90 0.91	0.91 0.91	0.90 0.82	0.69 0.46	0.52 0.56
^{130}I	$(\mathrm{pn})^{130}$Xe	2.1670e+00	5.0	0.0	0.0100	0.01	5.8e−02	
	−7.5404e+01	−1.1712e+01	1.8867e+02	−1.1509e+02	−1.8382e+00	3.3668e−01	1.1001e+02	−7.3007e+01
	1.00 1.01	1.03 1.02	1.02 1.02	1.02 1.01	1.01 1.01	1.01 1.01	1.01 1.00	0.89 0.57
^{130}I	$(\mathrm{p}\alpha)^{127}$Te	6.2220e+00	5.0	1.5	0.0100	0.01	4.9e+01	0
	−1.7289e+03	2.6800e+01	−2.9433e+03	4.8785e+03	−2.8142e+02	1.5786e+01	−2.3117e+03	−1.7292e+03
^{131}I	$(\mathrm{p}\gamma)^{132}$Xe	9.1250e+00	3.5	0.0	0.0100	0.01	6.0e−02	
	−9.4536e+01	−1.1722e+01	1.8252e+02	−9.1538e+01	−4.3206e+00	4.5900e−01	1.0156e+02	−6.8762e+01
	1.00 1.00	1.00 0.99	0.99 0.99	0.99 0.98	0.98 0.98	0.94 0.86	0.72 0.36	0.12 0.03
^{131}I	$(\mathrm{pn})^{131}$Xe	1.8900e−01	3.5	1.5	0.0100	0.01	5.9e−02	1
	−9.7257e+01	−1.1559e+01	1.7071e+02	−7.2221e+01	−5.3486e+00	6.1147e−01	9.2945e+01	−9.6564e+01
^{131}I	$(\mathrm{p}\alpha)^{128}$Te	6.4140e+00	3.5	0.0	0.0100	0.01	3.4e+01	0
	−2.0218e+03	2.9412e+01	−3.2002e+03	5.4688e+03	−3.2889e+02	1.9200e+01	−2.5493e+03	−2.0211e+03
^{132}I	$(\mathrm{p}\gamma)^{133}$Xe	9.2350e+00	4.0	1.5	0.0100	0.01	1.9e+00	
	−9.0829e+02	2.1164e+00	−1.0235e+03	2.0356e+03	−1.3465e+02	8.1526e+00	−8.8104e+02	−8.8378e+02
	1.03 1.04	1.06 1.07	1.09 1.10	1.10 1.11	1.11 1.11	1.07 0.97	0.83 0.52	0.25 0.09
^{132}I	$(\mathrm{pn})^{132}$Xe	2.7950e+00	4.0	0.0	0.0100	0.01	5.8e−02	1
	−9.1920e+01	−1.1680e+01	1.7894e+02	−8.6333e+01	−4.5650e+00	5.7216e−01	9.9569e+01	−8.9723e+01
^{132}I	$(\mathrm{p}\alpha)^{129}$Te	6.1680e+00	4.0	1.5	0.0100	0.01	3.4e+01	
	−2.0032e+03	2.9510e+01	−3.2044e+03	5.4503e+03	−3.2465e+02	1.8649e+01	−2.5476e+03	−2.0038e+03
	1.02 1.02	1.02 1.02	1.02 1.01	1.00 1.00	0.99 0.99	1.06 1.28	1.72 4.40	13.84 20.38