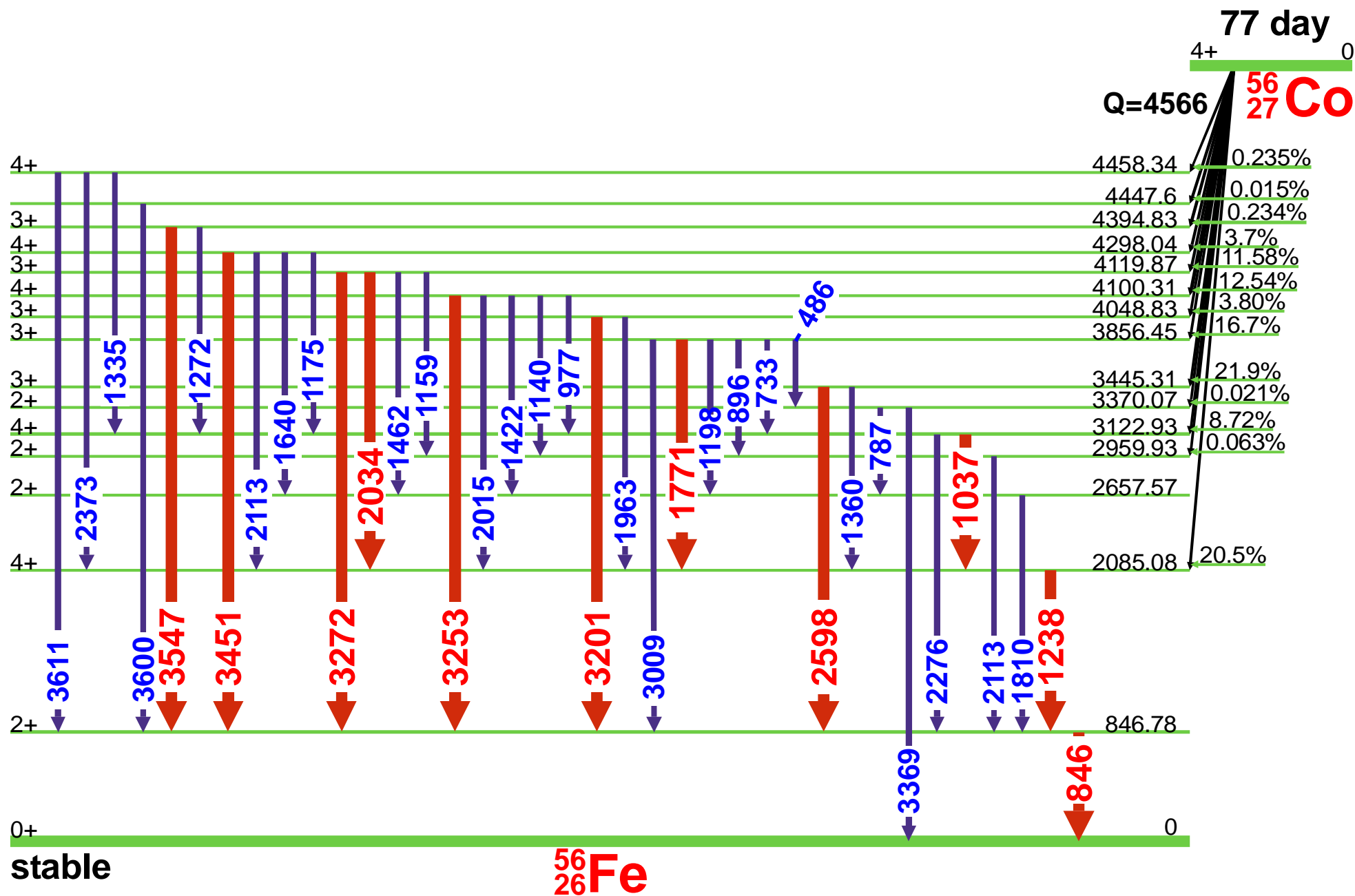




⁵⁶Co(77 day) Decay Scheme

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{56}Co E_γ , σE_γ , I_γ , σI_γ - 1998 ENSDF Data

Half Life: 77.27(3) day

Detector: 55 cm³ coaxial Ge (Li)Method of Production: $^{56}\text{Fe}(p,n)$

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
Ann.	263.41	0.1		0.022	0.004	4
	411.38	0.08		0.025	0.005	4
	486.54	0.11	0.04	0.061	0.01	4
	511.006			37.6	1.8	1
	655			0.038	0.008	4
	674.7			0.038	0.007	4
	733.511	0.005	0.32	0.195	0.011	4
	787.742	0.007	0.32	0.305	0.012	4
	846.771	0.004	100	100	3	1
	852.78	0.05		0.05	0.003	4
	896.531	0.012	0.08	0.095	0.017	4
	977.373	0.004	1.4	1.43	0.014	3
	997.33	0.16		0.129	0.014	4
	1037.84	0.006	14.55	14.13	0.05	1
	1089.03	0.24		0.05	0.003	4
	1140.404	0.021	0.2	0.129	0.02	4
	1159.92	0.018	0.12	0.095	0.013	4
	1175.102	0.006	2.32	2.238	0.011	2
	1198.78	0.2	0.05	0.051	0.009	4
	1238.282	0.007	67.2	66.07	0.19	1
	1272.2	0.6	0.03	0.025	0.008	4
	1335.389	0.02	0.12	0.129	0.006	4
	1360.215	0.012	4.32	4.255	0.015	2
	1442.75	0.08	0.172	0.172	0.007	4

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
1462.34	0.12	0.07	0.084	0.006	4
1640.404	0.021	0.108	0.069	0.01	4
1771.351	0.016	15.45	15.48	0.05	1
1810.772	0.017	0.762	0.657	0.01	3
1963.714	0.012	0.71	0.706	0.01	3
2015.181	0.016	2.97	3.029	0.013	2
2034.755	0.013	7.71	7.77	0.03	1
2113.123	0.01	0.37	0.366	0.006	3
2212.933	0.018	0.38	0.39	0.007	4
2276.36	0.16	0.10	0.126	0.007	4
2373.7	0.4	0.07	0.083	0.011	4
2523.86	0.2		0.068	0.011	4
2598.459	0.013	16.2	16.96	0.06	1
2657.4	0.8		0.021	0.006	4
3009.596	0.007	1.19	0.954	0.021	3
3201.962	0.016	2.96	3.13	0.09	1
3253.416	0.015	7.20	7.62	0.24	1
3272.99	0.015	1.73	1.78	0.06	1
3369.69	0.3	0.01	0.011	0.002	4
3451.152	0.017	0.836	0.93	0.04	1
3547.93	0.06	0.17	0.178	0.009	1
3600.7	0.4	0.015	0.0165	0.0007	3
3611.8	0.8	0.009	0.0085	0.0004	4