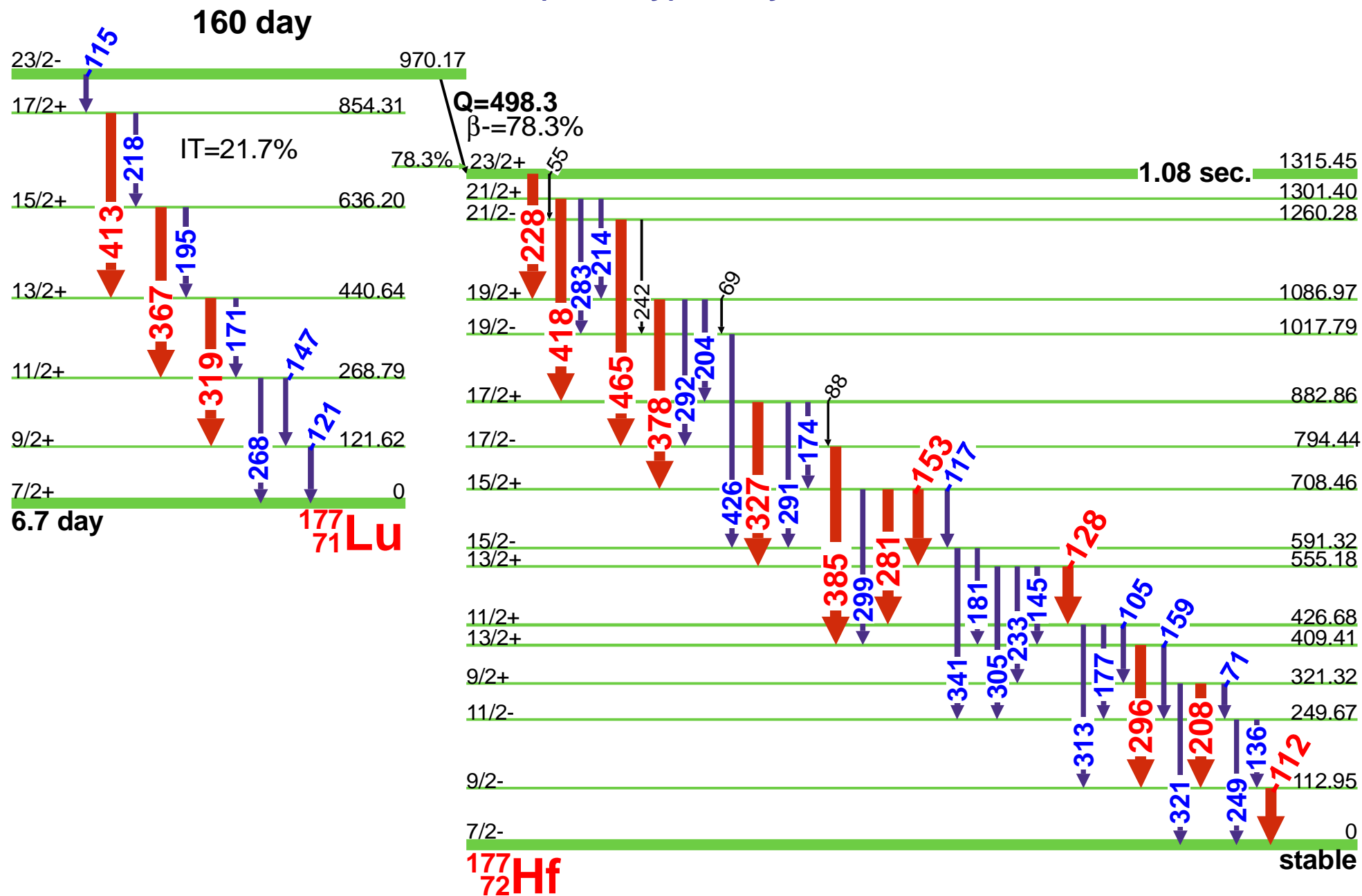


$^{177\text{m}}\text{Lu}$ (160 day) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: $^{177\text{m}}\text{Lu}$ E_γ , σE_γ , I_γ , σI_γ - 1998 ENSDF Data

Half Life: 160.4(3) day

Detector: 2.5 cm² x 8 mm Ge (Li)Method of Production: $^{176}\text{Lu}(n,\gamma)$

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
55.15	0.02		1.78	0.10	4
69.20			0.010	0.004	4
71.646	0.002	1.65	0.90	0.04	4
88.40			0.037	0.009	4
105.3595	0.0006	19.53	12.3	0.3	2
112.9498	0.0005	35.18	20.4	0.5	1
115.868	0.002	0.93	0.65	0.04	4
117.01	0.04	0.37	0.187	0.025	4
121.621		9.69	5.91	0.15	2
128.5030	0.0005	25.37	15.5	0.4	1
136.7248	0.0012	2.39	1.40	0.06	3
145.7694	0.0020	1.63	0.91	0.05	4
147.164	0.001	5.90	3.51	0.14	3
153.2843	0.0005	28.37	16.9	0.4	1
159.7342	0.0017	0.89	0.530	0.025	4
171.858	0.001	8.16	4.81	0.12	3
174.3991	0.0005	21.19	12.6	0.3	2
177.0008	0.0005	5.92	3.43	0.13	3
181.98	0.10		0.124	0.012	4
195.560	0.002	1.49	0.84	0.04	4
204.1052	0.0005	22.41	13.8	0.4	2
208.3664	0.0005	100.	57.7	1.2	1
214.4339	0.0006	10.71	6.59	0.17	2
218.104	0.001	5.39	3.28	0.12	3

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
228.4838	0.0006	60.69	37.0	0.8	1
233.8608	0.0008	9.04	5.58	0.15	2
242.5			0.037	0.012	4
249.6741	0.0010	10.45	6.14	0.19	2
268.785	0.001	5.79	3.43	0.12	2
281.7873	0.0009	23.72	14.1	0.4	1
283.42	0.13	1.03	0.40	0.07	4
291.42	0.10	1.82	1.02	0.07	3
292.51	0.10	1.42	0.82	0.06	3
296.4581	0.0006	8.58	5.08	0.15	1
299.0506	0.0017	2.87	1.80	0.06	3
305.5028	0.0014	3.13	1.82	0.06	2
313.7251	0.0021	2.19	1.26	0.05	3
319.020	0.001	17.81	10.5	0.3	1
321.3162	0.0016	2.21	1.20	0.06	3
327.6829	0.0007	31.44	18.1	0.5	1
341.6432	0.0010	3.08	1.69	0.07	2
367.418	0.001	5.41	0.68	0.11	1
378.5029	0.0007	52.18	29.7	1.3	1
385.0304	0.0009	5.39	3.13	0.13	1
413.664	0.001	30.20	17.4	0.6	1
418.5391	0.0007	38.0	21.3	0.9	1
426.4726	0.0024	0.73	0.428	0.025	3
465.8416	0.0010	4.34	2.35	0.13	1