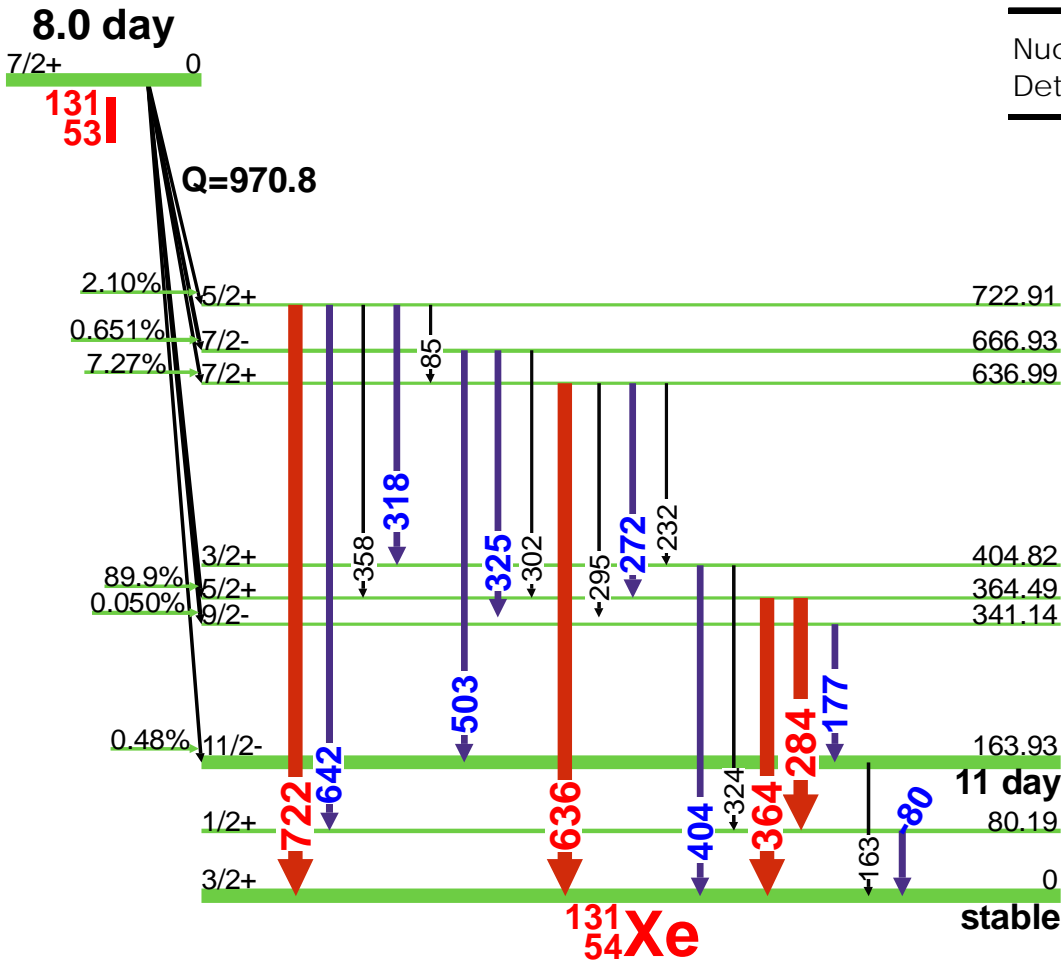


<sup>131</sup>I(8.0 day) Decay Scheme



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: <sup>131</sup>I Half Life: 8.02070(11) day  
Detector: 55 cm<sup>3</sup> coaxial Ge (Li) Method of Production: U(n,f) chem.

E <sub>γ</sub> (keV)	σ E <sub>γ</sub>	I <sub>γ</sub> (rel)	I <sub>γ</sub> (%)	σ I <sub>γ</sub>	S
80.185	0.002	2.8	2.62	0.04	2
85.90	0.20		0.0001		4
163.930	0.008				4
177.214	0.002	0.36	0.270	0.004	4
232.18	0.15		0.0032	0.0004	4
272.498	0.017	1.1	0.0578	0.0011	4
284.305	0.005	7.6	6.14	0.06	1
295.80	0.20		0.0018	0.0008	4
302.40	0.20		0.0047	0.0006	4
318.088	0.016	0.10	0.0776	0.0017	4
324.651	0.025	0.34	0.0212	0.0025	4
325.789	0.004		0.274	0.021	
358.40	0.20		0.016	0.006	4
364.489	0.005	100.	81.7	0.8	1
404.814	0.004	0.07	0.0547	0.0017	4
449.60	0.20		0.0074	0.0025	4
503.004	0.004	0.46	0.360	0.004	2
636.989	0.004	9.1	7.17	0.10	1
642.719	0.005	0.28	0.217	0.004	2
722.911	0.005	2.3	1.7729	0.0268	1

E<sub>γ</sub>, σE<sub>γ</sub>, I<sub>γ</sub>, σI<sub>γ</sub> - 1998 ENSDF Data

