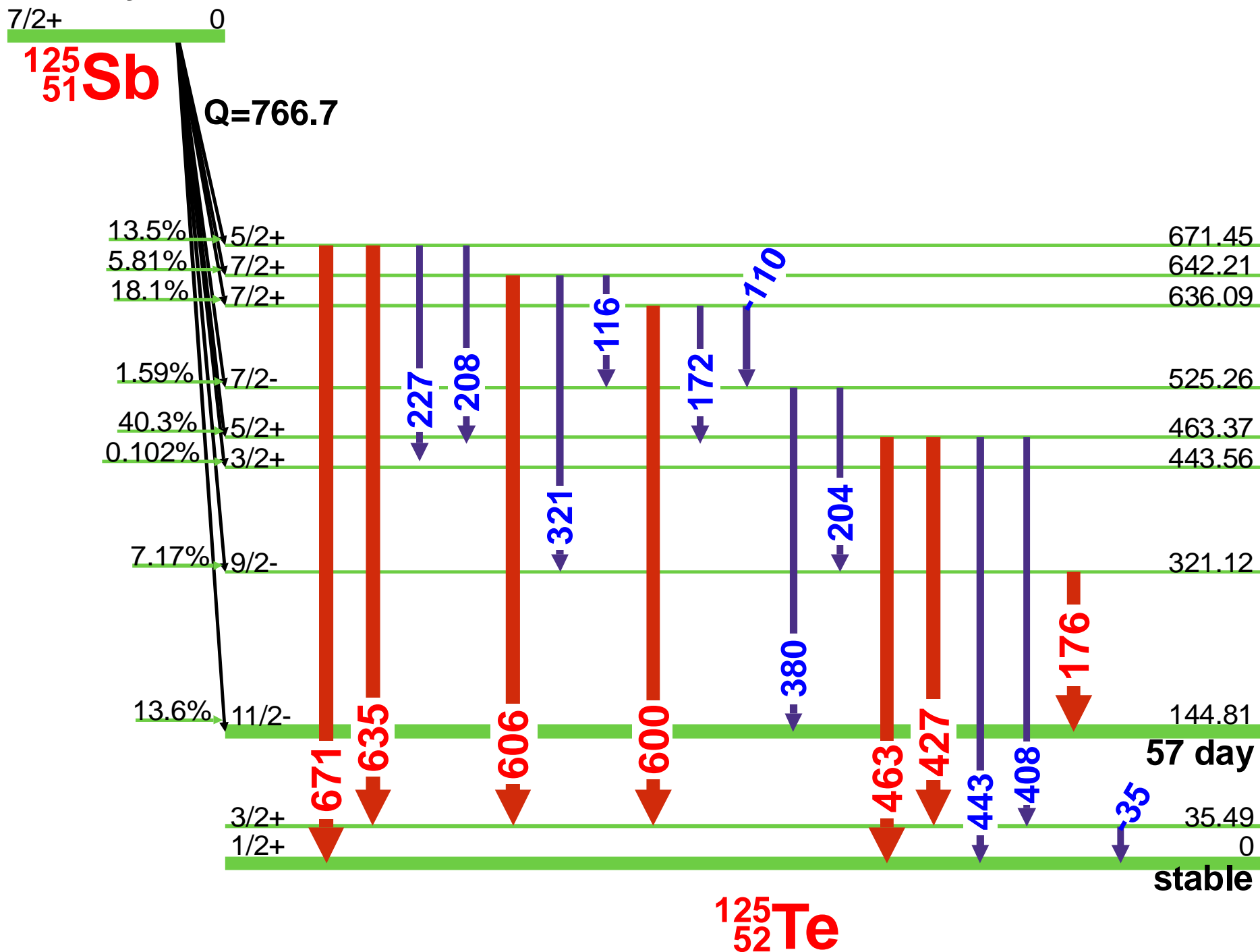


2.7 yr.

 $^{125}\text{Sb}$ (2.7 yr.) Decay Scheme

## GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide:  $^{125}\text{Sb}$  $E_\gamma$ ,  $\sigma E_\gamma$ ,  $I_\gamma$ ,  $\sigma I_\gamma$  - 1998 ENSDF Data

Half Life: 2.7582(11) yr.

Detector: 65 cm<sup>3</sup> coaxial Ge (Li)Method of Production:  $^{124}\text{Sn}(n,\gamma)\beta$ 

$E_\gamma$ (keV)	$\sigma E_\gamma$	$I_\gamma$ (rel)	$I_\gamma$ (%)	$\sigma I_\gamma$	S
19.88	0.15		0.0201	0.0009	4
35.489	0.005		4.29	0.18	4
58.3			0.0269	0.0014	4
110.89	0.12	0.27	0.0011	0.0001	4
116.952	0.011	0.73	0.284	0.009	3
146.08	0.10		0.0006	0.0001	4
172.719	0.008	0.94	0.198	0.013	4
176.313	0.002	21.5	6.82	0.21	1
178.842	0.005		0.0287	0.0025	4
198.654	0.011		0.0136	0.0015	4
204.139	0.008	1.14	0.326	0.010	3
208.079	0.004	0.91	0.241	0.008	4
227.891	0.010	0.54	0.130	0.004	4
314.94	0.11		0.0039	0.0004	4
321.03	0.04	1.45	0.411	0.013	3

$E_\gamma$ (keV)	$\sigma E_\gamma$	$I_\gamma$ (rel)	$I_\gamma$ (%)	$\sigma I_\gamma$	S
380.452	0.008	5.12	1.52	0.05	2
408.065	0.010	0.63	0.184	0.006	4
427.875	0.006	100.	29.6	0.9	1
443.554	0.009	1.20	0.302	0.010	3
463.365	0.004	35.4	10.5	0.3	1
491.28	0.00				4
497.36	0.12		0.009	0.004	4
600.600	0.004	59.5	17.9	0.5	1
606.718	0.003	17.0	5.03	0.15	1
635.954	0.005	38.1	11.3	0.4	1
642.1			0.047	0.003	4
671.445	0.004	6.26	1.79	0.06	1
693.			0.0001		4
729.8			0.0007	0.0002	4

