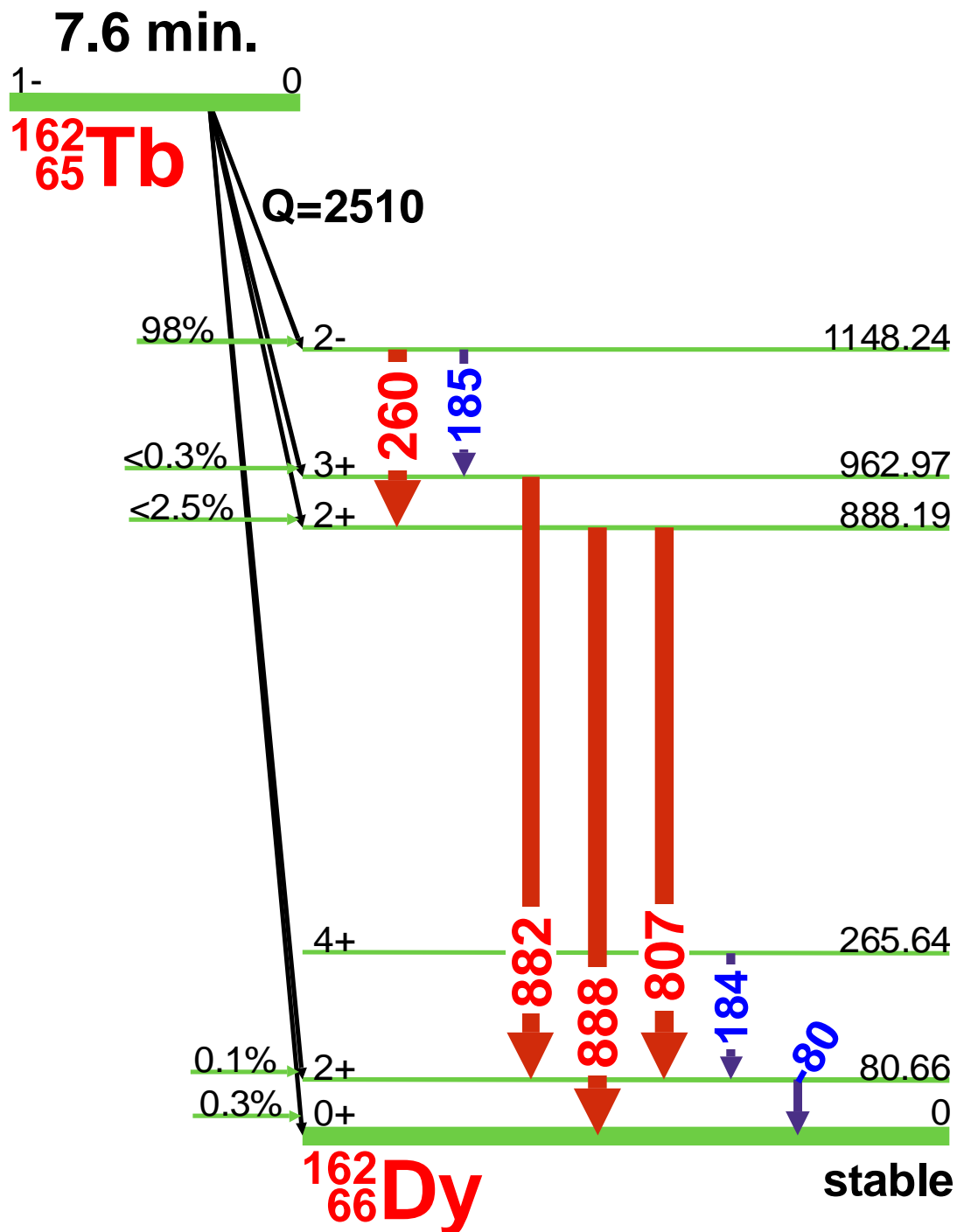


$^{162}\text{Tb}$ (7.6 min.) Decay Scheme

## GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide:  $^{162}\text{Tb}$  $E_\gamma$ ,  $\sigma E_\gamma$ ,  $I_\gamma$ ,  $\sigma I_\gamma$  - 1998 ENSDF Data

Half Life: 7.60(15) min.

Detector: 2.5 cm<sup>2</sup> x 4 mm Ge (Li)Method of Production:  $^{163}\text{Dy}(\gamma, p)$ 

$E_\gamma$ (keV)	$\sigma E_\gamma$	$I_\gamma$ (rel)	$I_\gamma$ (%)	$\sigma I_\gamma$	S
74.7			0.0030	0.0001	4
80.66	0.05		8.6	0.5	2
184.98			2.70	0.14	2
185.27	0.05		14.4	0.9	
247.1			0.0012		4
260.05	0.06		80.	5.	1
321.9			0.0016		4
543.2	0.6		0.107	0.013	4
622.52	0.10		0.89	0.03	4
697.35	0.10		2.58	0.09	4
728.5	0.4		0.069	0.008	4
807.53	0.08		42.8	1.5	1
819.7	0.6		0.025	0.004	4
857.0	0.3		0.087	0.006	4
882.32	0.08		13.4	0.5	1
888.20	0.08		38.7	1.4	1
894.7	0.4		0.0295	0.0026	4
944.2	0.6		0.0103	0.0021	4
980.4	0.7		0.0043	0.0017	4
1014.9	0.6		0.0154	0.0017	4
1067.55	0.10		0.556	0.020	4
1092.4	0.4		0.0197	0.0018	4
1129.3	0.4		0.0120	0.0017	4
1161.1	0.6		0.0068	0.0013	4
1187.9	0.6		0.0068	0.0013	4

$E_\gamma$ (keV)	$\sigma E_\gamma$	$I_\gamma$ (rel)	$I_\gamma$ (%)	$\sigma I_\gamma$	S
1195.1	0.3		0.090	0.004	4
1223.0	0.6		0.0133	0.0017	4
1267.5	0.6		0.0077	0.0013	4
1275.8	0.4		0.047	0.013	4
1276.9	0.4		0.043	0.013	4
1287.6	0.5		0.0154	0.0017	4
1372.9	0.6		0.0081	0.0013	4
1483.3	0.5		0.0047	0.0013	4
1517.0	0.6		0.0103	0.0013	4
1547.4	0.6		0.0098	0.0013	4
1556.5	0.6		0.0068	0.0013	4
1610.7	0.3		0.142	0.005	4
1665.1	0.3		0.080	0.003	4
1702.1	0.5		0.0351	0.0018	4
1782.4	0.3		0.0389	0.0019	4
1806.1	0.8		0.0046	0.0008	4
1901.8	0.6		0.0095	0.0010	4
1918.6	0.6		0.0072	0.0007	4
1982.3	0.6		0.0092	0.0007	4
1999.1	0.8		0.0016	0.0005	4
2047.9	0.4		0.0501	0.0020	4
2082.8	0.6		0.0083	0.0007	4
2167.3	0.6		0.0070	0.0006	4
2233.0	0.8		0.0061	0.0006	4
2290.2	1.0		0.0022	0.0004	4