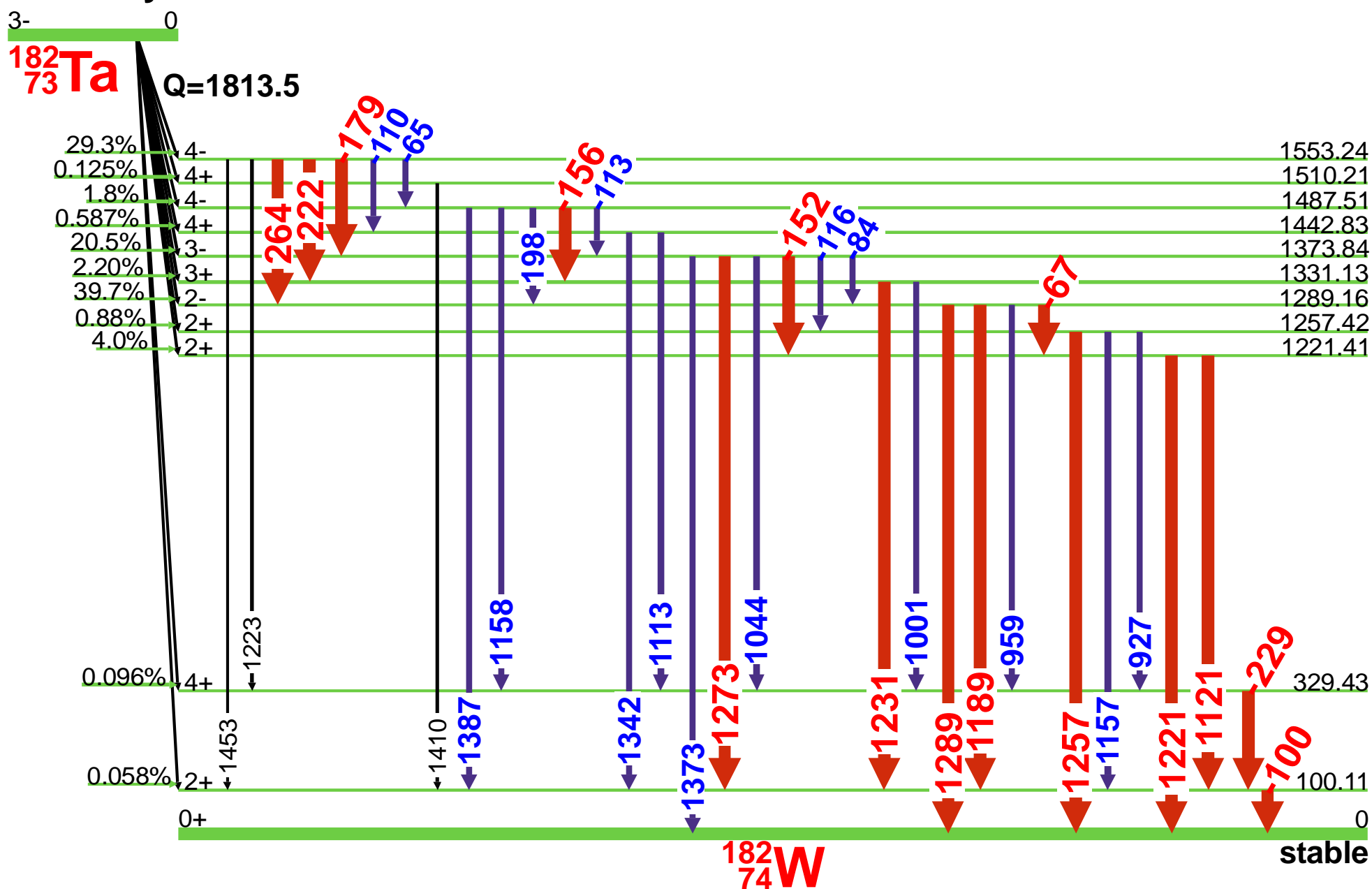


¹⁸²Ta(114 day) Decay Scheme

114 day



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{182}Ta E_γ , σE_γ , I_γ , σI_γ - 1998 ENSDF Data

Half Life: 114.43(3) day

Detector: 2.5 cm² x 8 mm Ge (Li)Method of Production: $^{181}\text{Ta}(n,\gamma)$

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
31.738	0.001		0.486	0.011	4
42.715			0.278	0.006	4
65.722			2.92	0.07	4
67.750		100.	41.2	0.9	1
84.681		6.04	2.65	0.07	2
100.106		30.40	14.10	0.26	1
110.41	0.05	0.27	0.087	0.004	4
113.673		3.93	1.89	0.04	2
116.419	0.001	0.90	0.431	0.009	3
121.50	0.20		0.0026	0.0007	4
152.431		15.62	6.93	0.13	1
156.388		6.01	2.64	0.05	1
179.395		7.04	3.08	0.06	1
198.353		3.40	1.441	0.028	2
222.110		17.05	7.49	0.14	1
229.322	0.001	8.42	3.63	0.07	1
264.075		8.40	3.61	0.07	1
351.05	0.10		0.0091	0.0011	4
829.70	0.10		0.015	0.006	4
891.980	0.002		0.056	0.004	4
927.992	0.002	1.50	0.620	0.012	4
959.730	0.002		0.348	0.008	4

E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
1001.695	0.002	5.34	2.07	0.04	3
1035.80	0.20		0.0073	0.0024	4
1044.410	0.002		0.237	0.006	4
1113.40	0.05	0.83	0.446	0.009	3
1121.301	0.002	79.94	34.9	0.6	1
1135.90	0.20				4
1157.313	0.002	2.22	0.59	0.11	3
1158.082	0.002		0.40	0.06	
1180.78	0.10		0.086	0.005	4
1189.050	0.002	37.41	16.22	0.28	1
1221.407	0.002	62.10	27.0	0.5	1
1223.803	0.002		0.23	0.08	4
1231.016	0.002	26.02	11.44	0.20	1
1257.418	0.002	3.50	1.488	0.026	1
1273.730	0.002	1.49	0.650	0.011	1
1289.156	0.002	3.24	1.349	0.024	1
1342.72	0.05	0.61	0.251	0.004	2
1373.836	0.002	0.51	0.218	0.004	2
1387.402	0.002	0.15	0.0708	0.0015	3
1410.10	0.10		0.0394	0.0012	4
1453.124	0.002		0.0284	0.0009	4

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