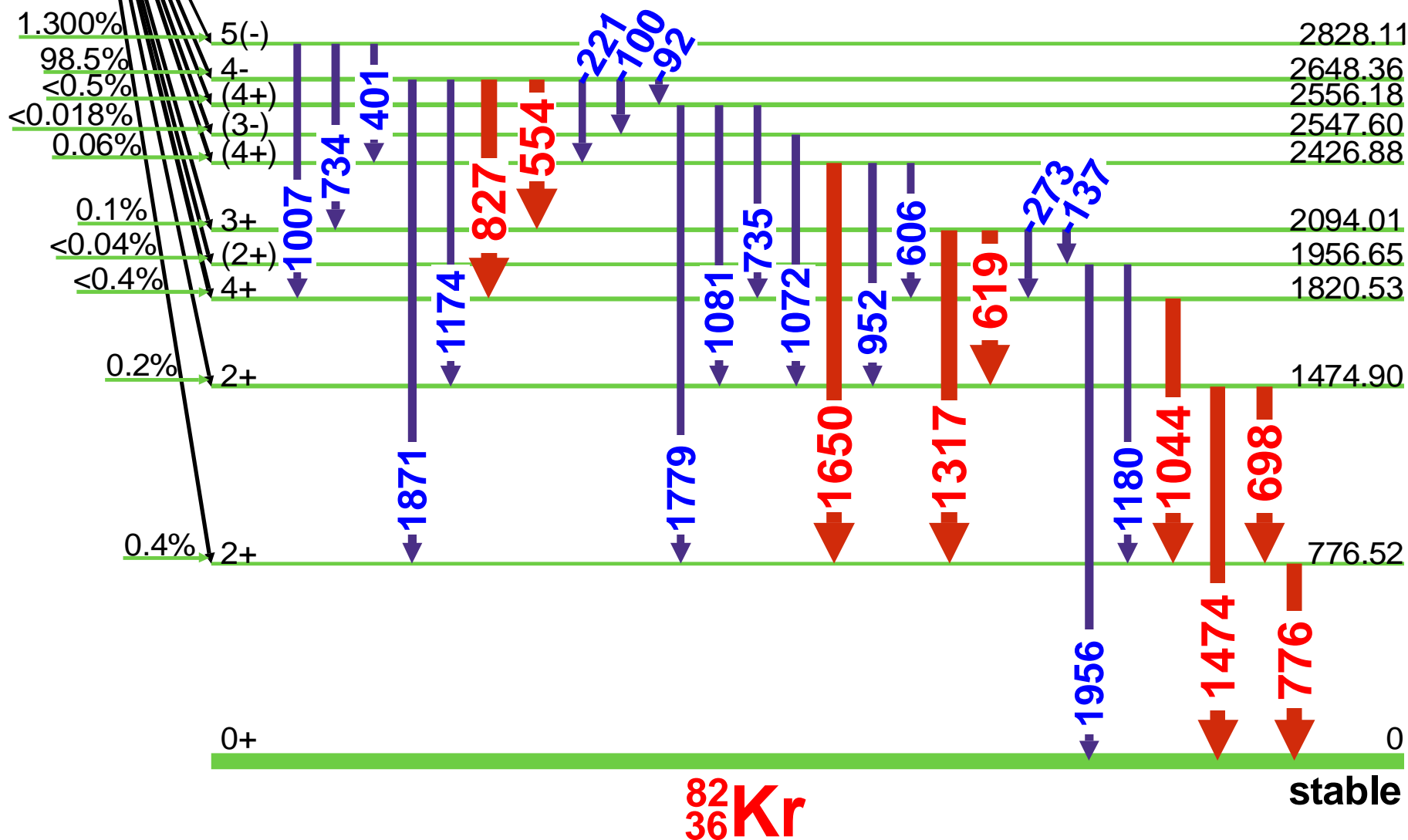


35 hr. **^{82}Br (35 hr.) Decay Scheme** **$^{82}_{35}\text{Br}$** **Q=3092.6**

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ⁸²Br

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data

Half Life: 35.30(2) hr.

Detector: 55 cm³ coaxial Ge (Li)

Method of Production: ⁸¹Br(n,γ)

	E _γ (keV)	σE _γ	I _γ (rel)	I _γ (%)	σI _γ	S		E _γ (keV)	σE _γ	I _γ (rel)	I _γ (%)	σI _γ	S
	92.190	0.016	0.825	0.72	0.03	4		776.517	0.003	100	83.5	1.1	1
	100.89	0.08	0.075	0.070	0.007	4		827.828	0.006	29.03	24.0	0.3	1
	129.29	0.03	0.025	0.030	0.006	4		952.02	0.03	0.46	0.368	0.017	4
	137.40	0.05	0.115	0.1520	0.0022	4		1007.59	0.03	1.57	1.272	0.017	3
	179.8	0.2		0.010	0.008	4		1044.002	0.005	33.21	27.2	0.4	1
	221.480	0.002	2.72	2.26	0.07	3		1072.90	0.10	0.079	0.079	0.013	4
	273.480	0.008	0.95	0.802	0.026	4		1081.29	0.05	0.78	0.618	0.018	4
	332.90	0.03	0.012	0.090	0.004	4		1099.9	0.2		0.0058	0.0025	4
	345.6			0.0008		4		1174.0	0.4	0.131	0.018	0.008	4
	401.16	0.06	0.179	0.0091	0.0008	4		1180.1	0.2	0.183	0.086	0.008	4
	554.348	0.002	84.4	70.8	0.9	1		1317.473	0.010	32.6	26.5	0.3	1
	599.5	0.3		0.013	0.008	4		1474.880	0.010	19.7	16.32	0.22	1
	606.37		1.47	1.211	0.011	4		1650.37	0.04	0.90	0.743	0.010	1
	619.106	0.004	52.1	43.4	0.6	1		1779.66	0.03	0.140	0.1136	0.0020	2
	698.374	0.005	33.91	28.5	0.4	1		1871.6	0.2		0.025	0.008	4
D	734.1		0.087	0.0084	0.0001	4		1956.80	0.10	0.054	0.0391	0.0011	2
	735.64	0.07		0.075	0.008								

