

35.30 Hr. ⁸²Br

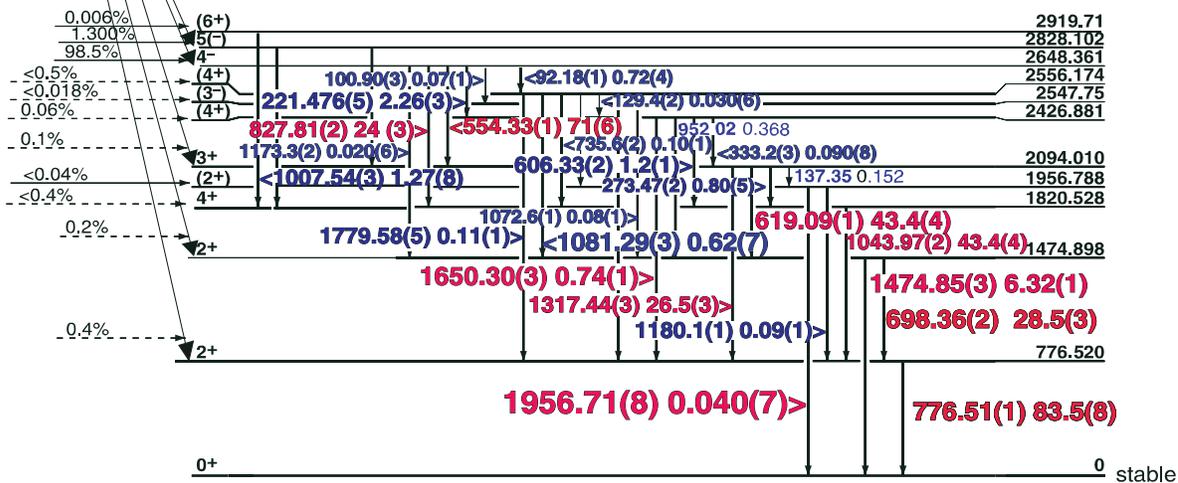
Br⁸² Decay Scheme

35.30(2) hr.

⁸²₃₅Br

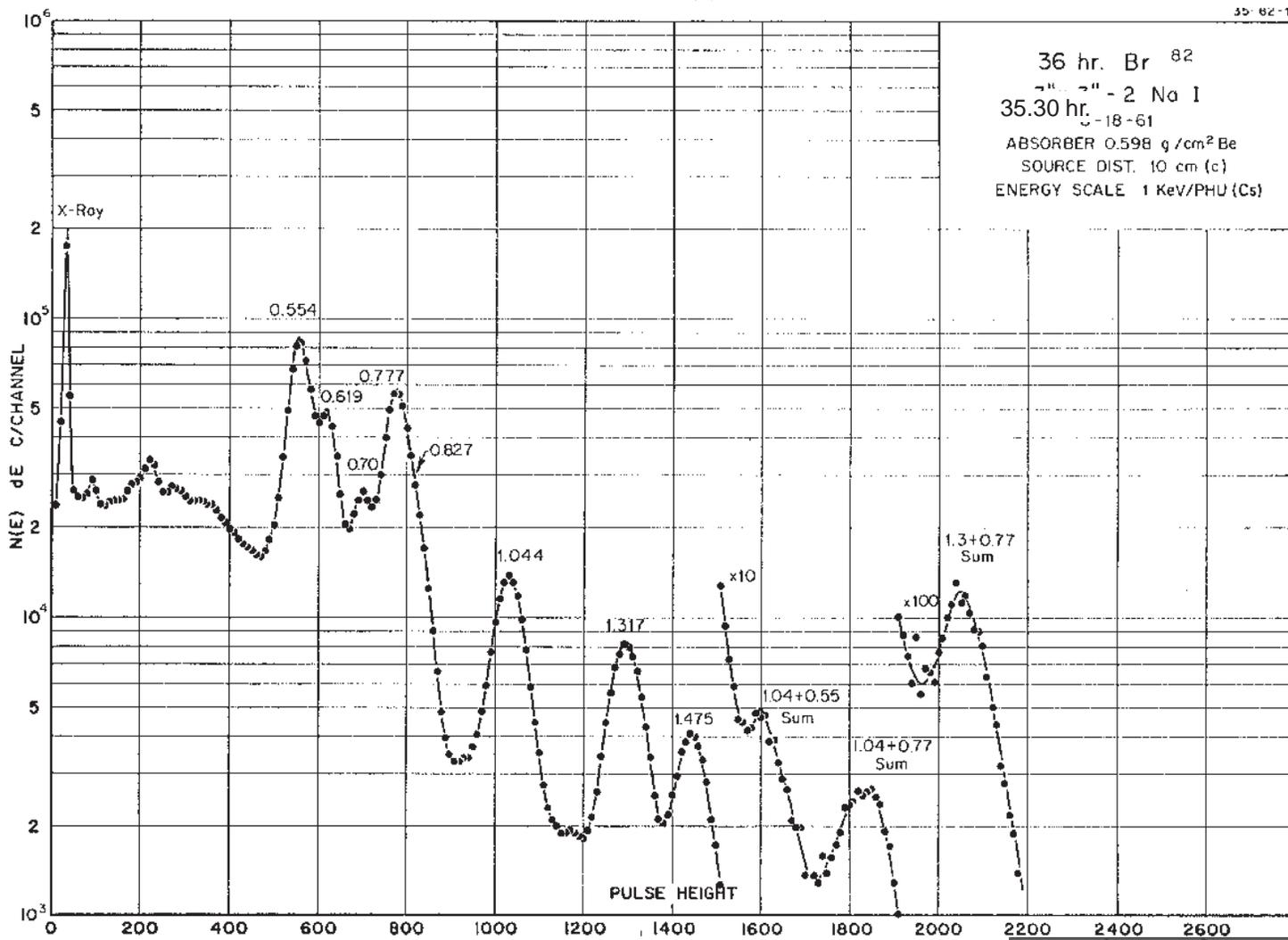
Q = 3092.6

Decay Data



⁸²₃₆Kr

0 stable



35.30(2) Hr. ⁸²Br

List of Gamma-ray Energies and Intensities

35-82-1

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ⁸²Br

Half Life 35.30(2) hr.

Detector 3" X 3" NaI-2

Method of Production: Br⁸¹(n, γ)

E _γ (KeV)[S]	ΔE _γ	I _γ (rel)	I _γ (%)[E]	ΔI _γ	S
92.183	± 0.008	0.825	0.72	± 0.045	4
100.899	± 0.035	0.075	0.07	± 0.010	5
129.45	± 0.25	0.025	0.030	± 0.006	5
137.23	± 0.04	0.115	0.152	± 0.010	5
221.476	± 0.005	2.72	2.26	± 0.008	3
273.475	± 0.025	0.95	0.80	± 0.05	4
333.2	± 0.3	0.012	0.09	± 0.008	5
401.15	± 0.08	0.179		± 0.028	5
554.334	± 0.012	84.4	70.8	± 1.5	1
606.332	± 0.023	1.47	1.2	± 0.10	4
619.088	± 0.013	52.1	43.4	± 1.0	1
698.359	± 0.016	33.91	28.5	± 0.60	1
735.65	± 0.18	0.087	0.1	± 0.018	5
776.502	± 0.016	100	83.5	± 1.2	1
827.809	± 0.019	29.03	24.03	± 0.35	1
951.950	± 0.035	0.46	0.4	± 0.05	4
1007.542	± 0.034	1.57	1.27	± 0.08	3
1043.973	± 0.022	33.21	27.2	± 0.60	1
1072.63	± 0.12	0.079	0.079	± 0.012	5
1081.288	± 0.030	0.78	0.618	± 0.07	4
1173.30	± 0.25	0.131	0.02	± 0.006	5
1180.13	± 0.10	0.183	0.086	± 0.01	5
1317.440	± 0.028	32.6	26.48	± 0.8	1
1474.853	± 0.031	19.7	6.32	± 0.4	1
1650.296	± 0.034	0.90	0.74	± 0.01	1
1779.58	± 0.05	0.140	0.114	± 0.010	2
1956.711	± 0.081	0.054	0.04	± 0.007	2