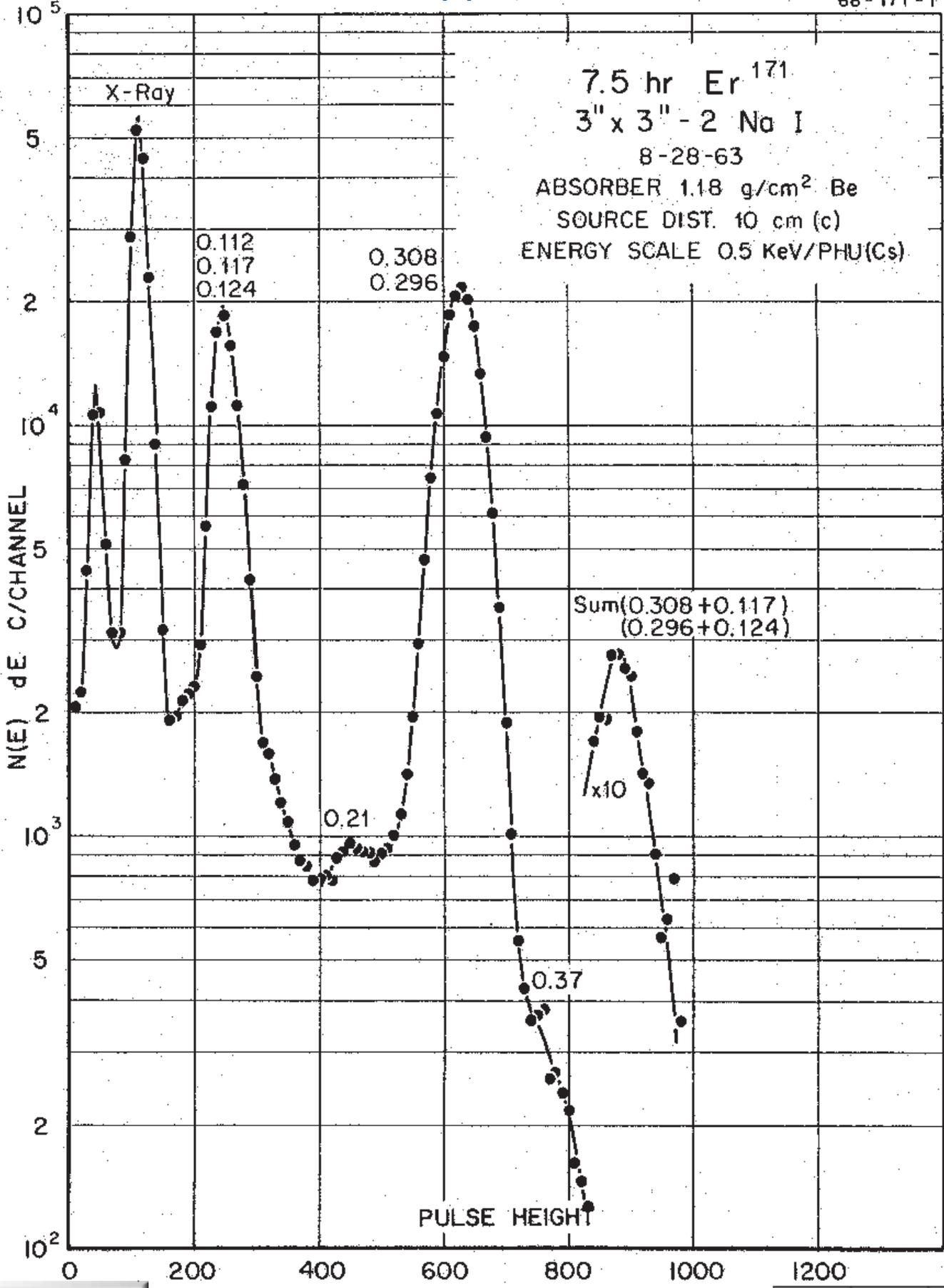


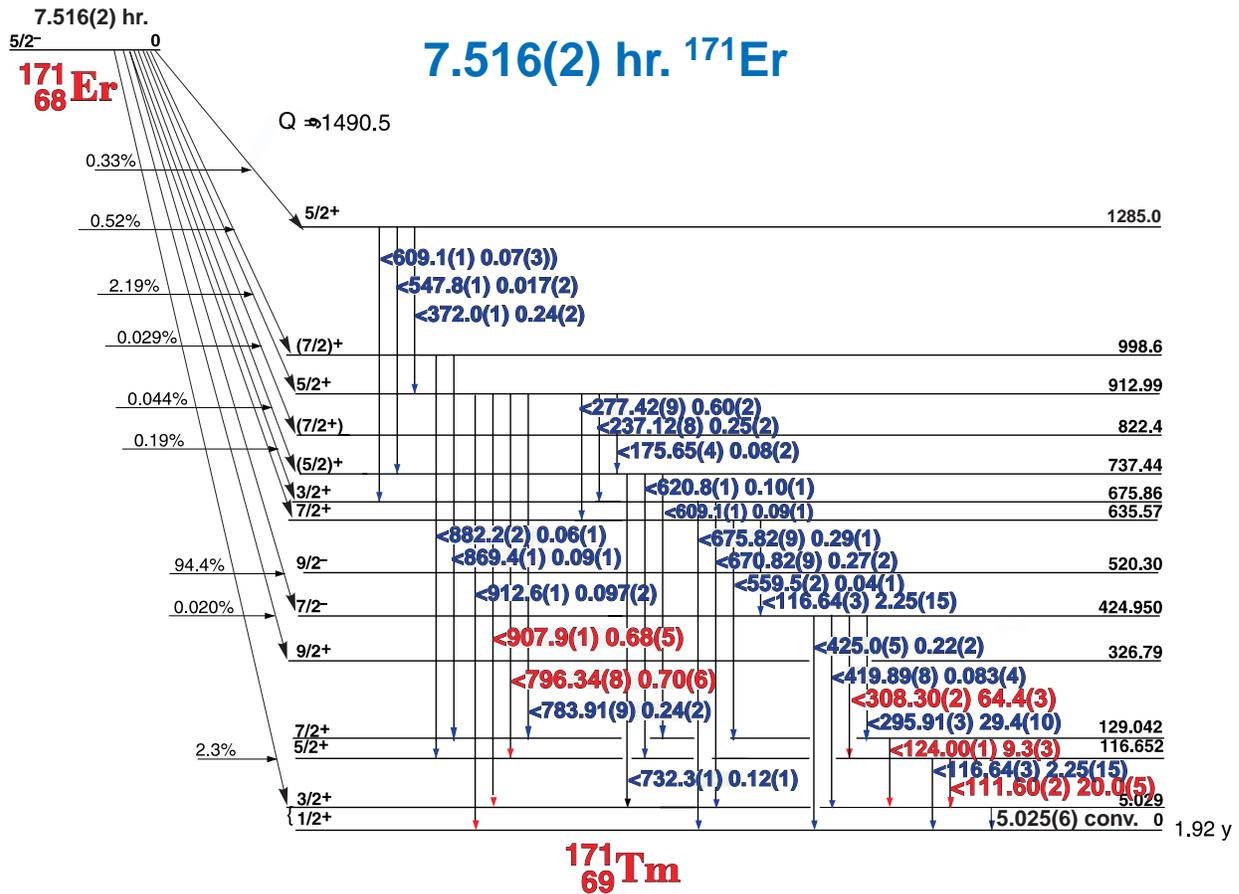
7.516(2) hr. ^{171}Er

68-171-1



Decay Data

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GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{137}Cs Half Life 30.07 Yr.
 Detector $3'' \times 3'' \text{ NaI}$ Method of Production: $^{170}\text{Er}(n,\gamma)$

E_γ (KeV)[S]	ΔE_γ	I_γ (rel)	I_γ (%)[E]	ΔI_γ	S
Tm x-rays					
111.598	± 0.020	30.44	20.0	± 0.5	1
116.640	± 0.035	3.55	2.25	± 0.15	3
124.00	± 0.015	14.39	9.3	± 0.3	1
175.65	± 0.04	0.09	0.08	± 0.02	4
210.52	± 0.04	1.12	0.72	± 0.06	3
237.12	± 0.08	0.56	0.25	± 0.02	3
277.42	± 0.09	0.99	0.60	± 0.02	3
295.91	± 0.03	45.7	29.4	± 1.0	1
308.303	± 0.018	100	64.4	± 0.3	1
372.04	± 0.10	0.37	0.24	± 0.02	3
419.89	± 0.08	0.51	0.083	± 0.004	3
425.0	± 0.2	0.06	0.22	± 0.02	4
609.1	± 0.15	0.13	0.09	± 0.01	4
620.8	± 0.1	0.15	0.10	± 0.01	4
670.82	± 0.09	0.42	0.27	± 0.02	3
675.82	± 0.09	0.47	0.29	± 0.01	3
732.30	± 0.10	0.18	0.12	± 0.01	3
783.91	± 0.09	0.37	0.24	± 0.02	2
796.344	± 0.08	1.09	0.70	± 0.06	1
869.44	± 0.12	0.14	0.09	± 0.01	3
882.2	± 0.2	0.08	0.06	± 0.01	4
907.95	± 0.10	1.06	0.68	± 0.05	1

