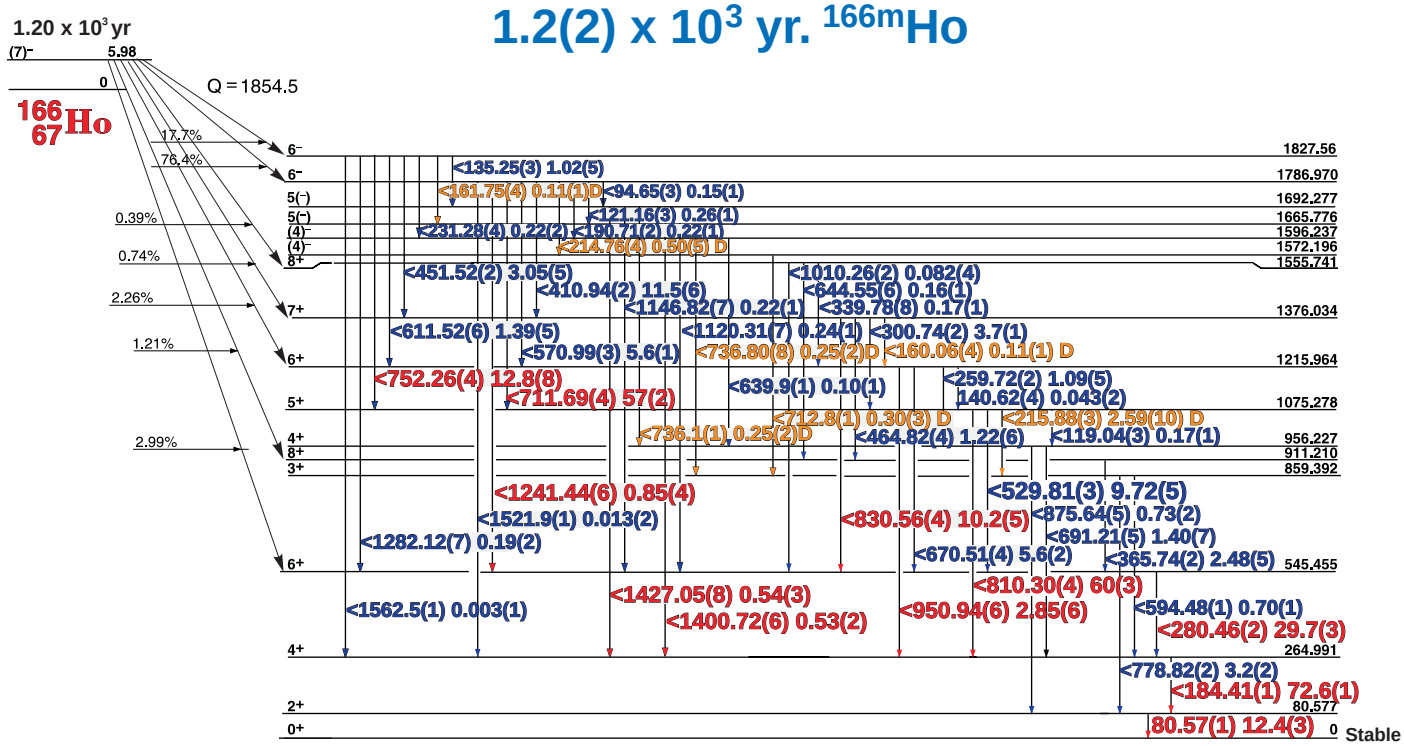
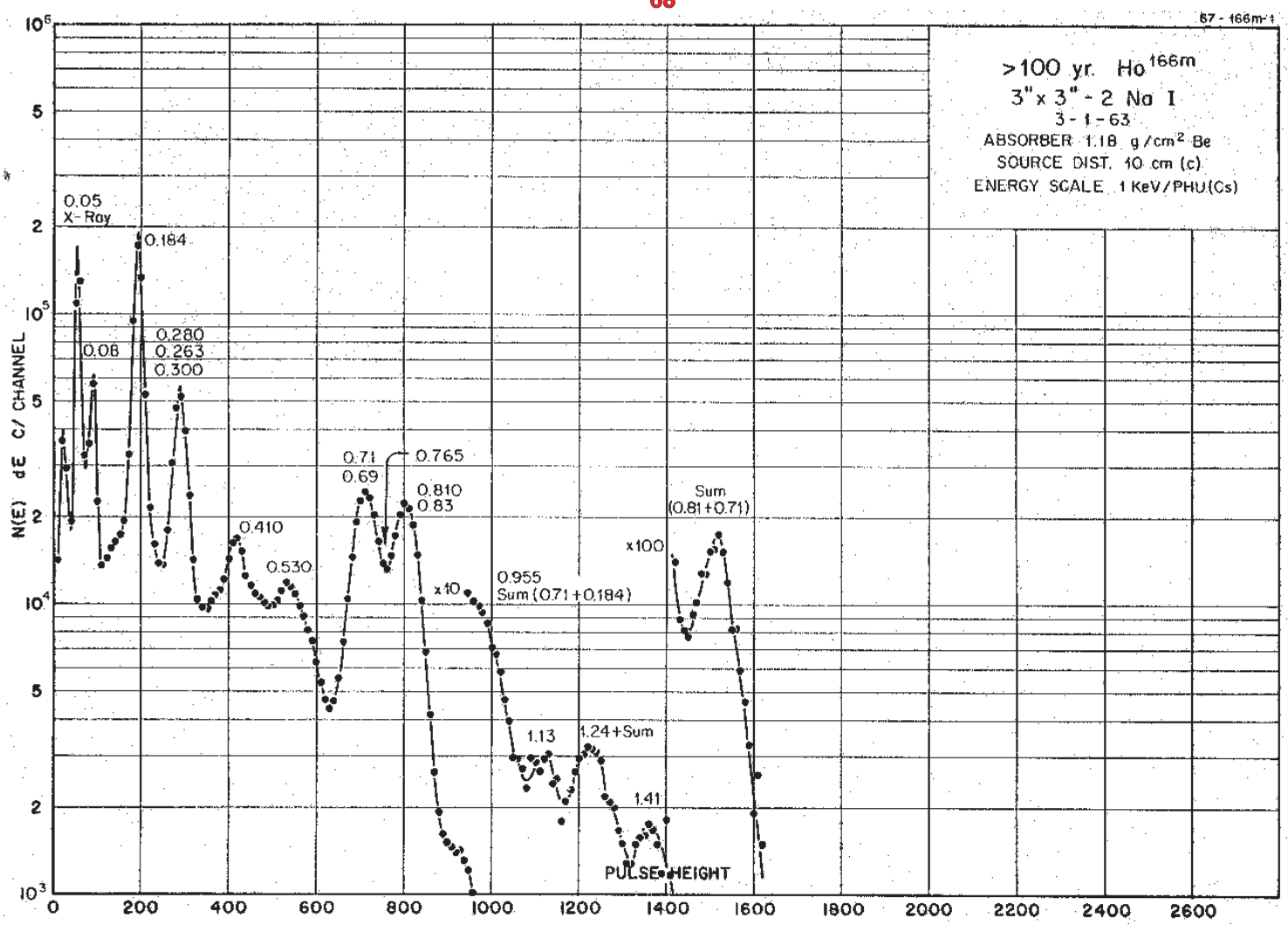
1.2(2) x 10^3 yr. ^{166m}Ho



166 68 Er



Decay Data

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1.2(2) x 10^3 yr. ^{166m}Ho

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{166m}**Ho** Half Life 1.2(2) x 10^3 yr.
Detector 3" x 3" -2 NaI Method of Production: ^{165}Ho(n,γ)

E_γ (KeV)[S]	ΔE_γ	I_γ(rel)	I_γ(%)[E]	ΔI_γ	S
Er x-rays					**1**
80.573	**± 0.015**	**17.1**	**12.4**	**± 0.3**	**1**
94.653	± 0.030	0.19	0.15	± 0.1	4
119.038	± 0.030	0.24	0.17	± 001	4
121.161	± 0.030	0.36	0.26	± 0.01	4
135.238	± 0.035	0.14	1.02	± 0.05	4
140.618	± 0.040	0.059	0.043	± 0.002	4
160.064	± 0.045	0.18	0.11	± 0.01	4
161.748	± 0.045	0.15	0.11	± 0.01	4
184.407	**± 0.015**	**100**	**72.6**	**± 0.1**	**1**
190.771	± 0.025	0.30	0.22	± 0.01	4
214.763	± 0.045	0.75	0.50	± 0.05	4
215.875	± 0.030	3.55	2.59	± 0.10	3
231.282	± 0.040	0.33	0.22	± 0.02	4
259.716	± 0.020	1.5	1.09	± 0.05	3
280.456	**± 0.020**	**40.7**	**29.7**	**± 0.3**	**1**
300.744	**± 0.020**	**5.1**	**3.7**	**± 0.1**	**2**
339.78	± 0.08	0.23	0.17	± 0.01	4
365.739	± 0.025	3.4	2.48	± 0.05	3
410.941	**± 0.025**	**15.8**	**11.5**	**± 0.6**	**2**
451.524	± 0.025	4.2	3.05	± 0.05	3
464.825	± 0.040	1.7	1.22	± 0.06	4
529.813	± 0.030	13.9	9.72	± 0 .05	3
570.998	± 0.030	7.85	5.6	± 0.1	3
594.48	± 0.08	0.96	0.70	± 0.01	4

E_γ (KeV)[S]	ΔE_γ	I_γ(rel)	I_γ(%)[E]	ΔI_γ	S
611.522	± 0.065	1.89	1.39	± 0.05	4
639.770	± 0.060	0.22	0.10	± 0.01	4
644.55	± 0.10	0.24	0.16	± 0.02	4
670.509	**± 0.040**	**7.88**	**5.6**	**± 0.2**	**2**
691.211	± 0.50	2.09	1.40	± 0.07	3
711.693	**± 0.040**	**80.2**	**56**	**± 1.0**	**1**
736.1	± 0.1		0.25	± 0.03	4
736.8	± 0.1	0.14	0.25	± 0.02	3
752.265	**± 0.040**	**17.9**	**12.8**	**± 0.8**	**1**
778.817	**± 0.040**	**4.5**	**3.2**	**± 0.2**	**2**
810.309	**± 0 040**	**85.6**	**59.0**	**± 0.8**	**1**
830.560	**± 0.040**	**14.5**	**10.2**	**± 0.5**	**1**
875.64	**± 0.05**	**1.08**	**0.73**	**± 0.02**	**2**
950.94	**± 0.06**	**4.15**	**2.85**	**± 0.06**	**1**
1010.25	± 0.10	0.12	0.082	± 0.04	4
1120.31	± 0.07	0.31	0.24	± 0.01	3
1146.82	± 0.07	0.30	0.22	± 0.01	3
1241.44	**± 0.06**	**1.37**	**0.85**	**± 0.04**	**1**
1282.12	± 0.07	0.31	0.19	± 0.02	3
1400.72	**+ 0.08**	**0.75**	**0.53**	**± 0.02**	**1**
1427.05	**± 0.08**	**0.80**	**0.54**	**± 0.03**	**1**

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