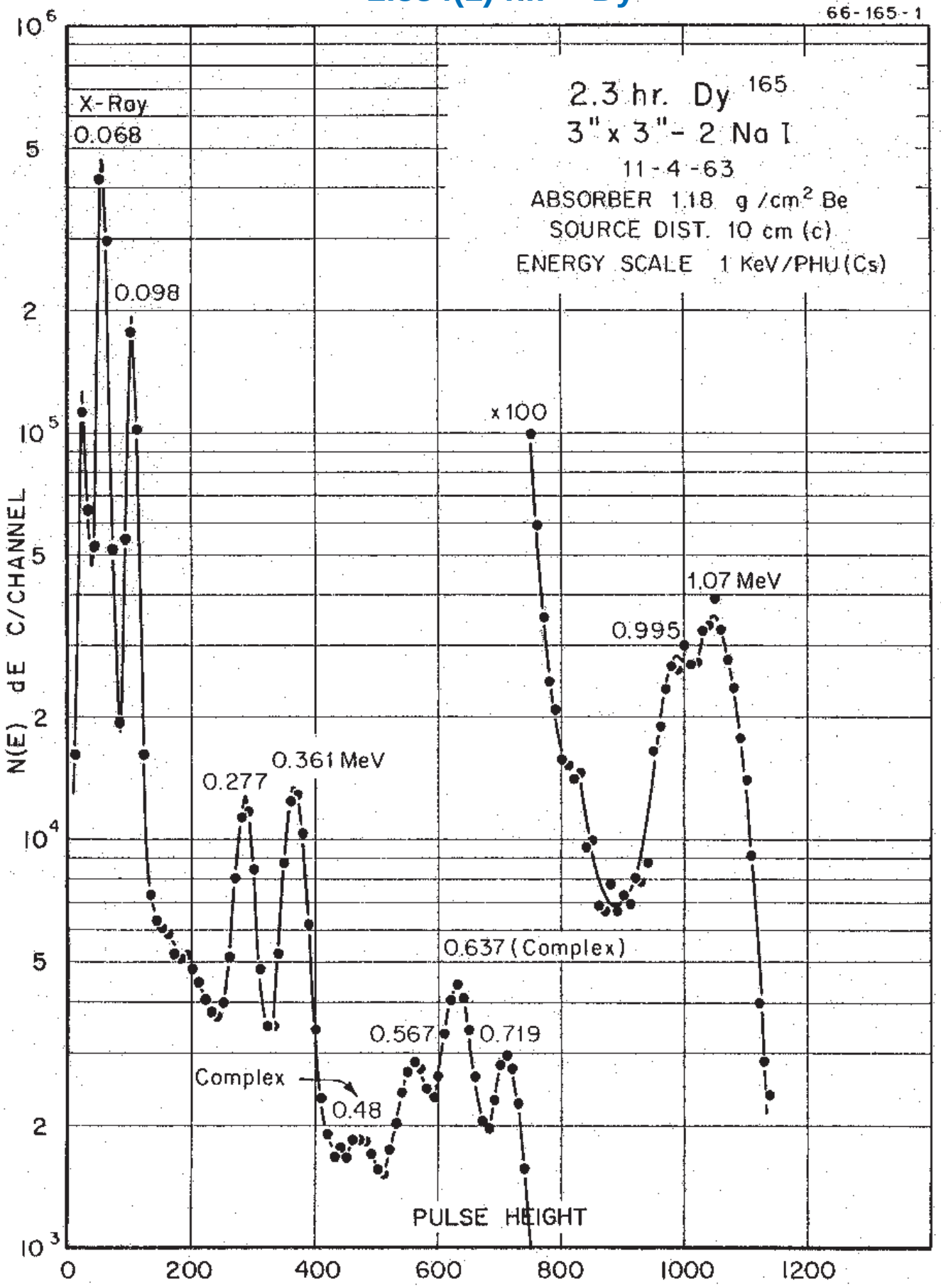
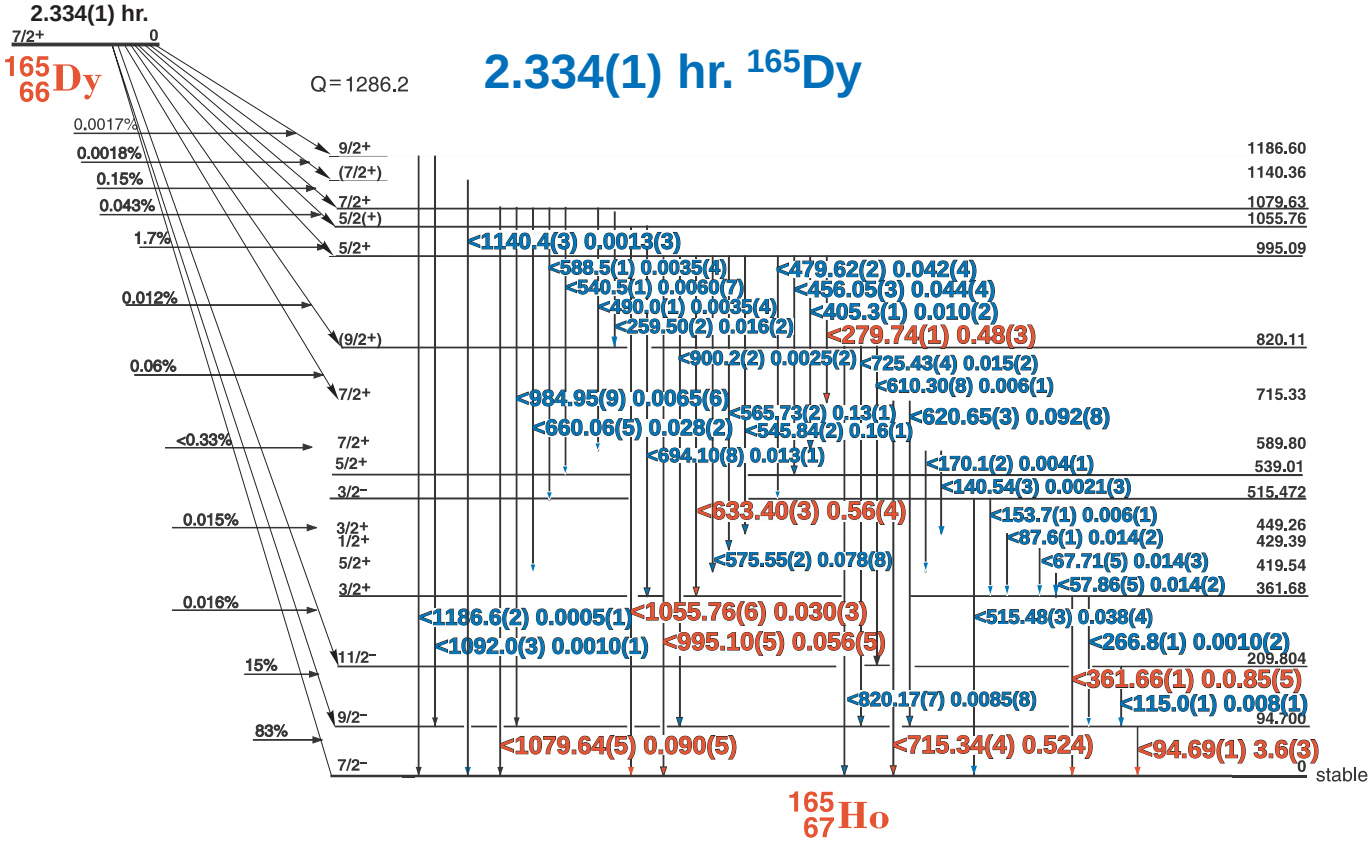
2.334(1) hr. ^{165}Dy



Decay Data

Index



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{165}Dy — Half Life 2.334(1) hr.

Detector 3" X 3" NaI-2 — Method of Production: ^{164}Dy(n,γ)

E_γ (KeV)[S]	ΔE_γ	I_γ(rel)	I_γ(%)[E]	ΔI_γ	S
Ho x- rays					**1**
57.86	± 0.05		0.014	± 0.002	5
87.76	± 0.05	1.21	0.014	± 0.002	4
94.69	**± 0.015**	**100**	**3.6**	**± 0.3**	**1**
115.0	± 0.10	0.63	0.008	± 0.001	4
119.5	± 0.10	0. 52	0.007	± 0.001	4
140.52	± 0.03	1.4	0.0021	± 0.0003	4
153.7	± 0.08	0.56	0.006	± 0.001	4
170.1	± 0.10	0.34	0.004	± 0.001	4
259.498	± 0.025	0.52	0.016	± 0.002	4
266.8	± 0.2	0.09	0.0010	± (2)	4
279.736	**± 0.012**	**15.2**	**0.48**	**± 0.03**	**1**
361. 662	**± 0.015**	**26. 2**	**0.85**	**± 0.05**	**1**
405.37	± 0.1	0.49	0.010	± 0.002	4
456.054	± 0.032	1.51	0.044	± 0.004	3
479.619	± 0.020	1.40	0.041	± 0.004	3
490.0	± 0.1	0.07	0.0035	± (4)	4
515.484	± 0.035	1.45	0.038	± 0.004	3
540.51	± 0.10	0.41	0.0060	±0.0007	4
545.840	**± 0.025**	**5.05**	**0.16**	**± 0.01**	**2**
565.729	**± 0.025**	**3.97**	**0.13**	**± 0.01**	**2**
575.549	**± 0.025**	**2.48**	**0.078**	**± 0.008**	**2**
588.50	± 0.15	0.175	0.0035	± 0.0004	4
610.30	± 0.08	0.219	0.006	± 0.001	4
620.649	**± 0.030**	**2.89**	**0.092**	**± 0.008**	**2**
633.40	**± 0.030**	**17.4**	**0.56**	**± 0.04**	**1**

E_γ (KeV)[S]	ΔE_γ	I_γ(rel)	I_γ(%)[E]	ΔI_γ	S
660.06	± 0.05	0.88	0.028	± 0.002	3
694.10	± 0.08	0.40	0.013	± 0.001	3
715.337	**± 0.040**	**16.3**	**0.52**	**± 0.04**	**1**
725.431	± 0.040	0.48	0.015	± 0.002	3
820.17	± 0.07	0.26	0.0085	± 0.0008	4
900.20	± 0.15	0.16	0.0025	± 0.0002	4
984.95	± 0.09	0.18	0.0065	± 0.0006	3
995.10	**± 0.05**	**1.71**	**0.056**	**± 0.005**	**1**
1055.76	**± 0.06**	**0.93**	**0.030**	**± 0.003**	**1**
1079.64	**+ 0.05**	**2.76**	**0.090**	**± 0.005**	**1**
1092.0	± 0.3	0.037	0.0010	± 0.0001	4
1140.4	± 0.3	0.044	0.0013	± 0.0003	4
1186.6	± 0.2	0.014	0.0005	± 0.0001	4