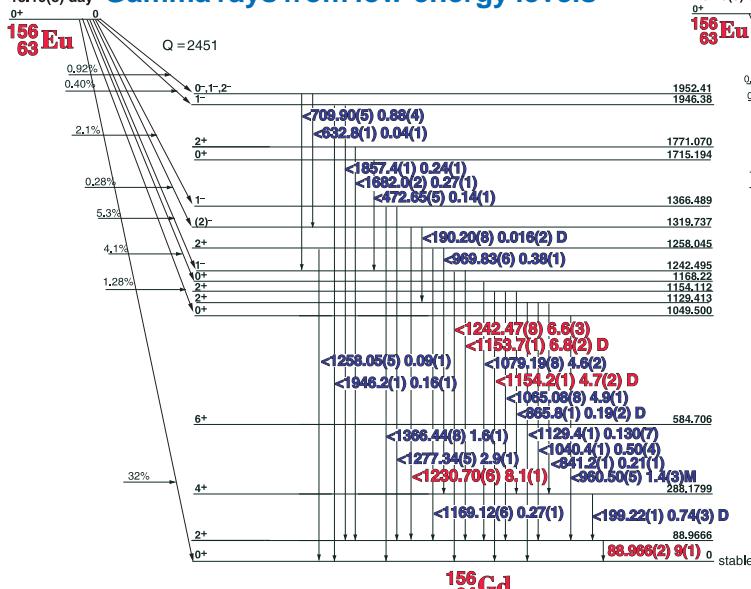
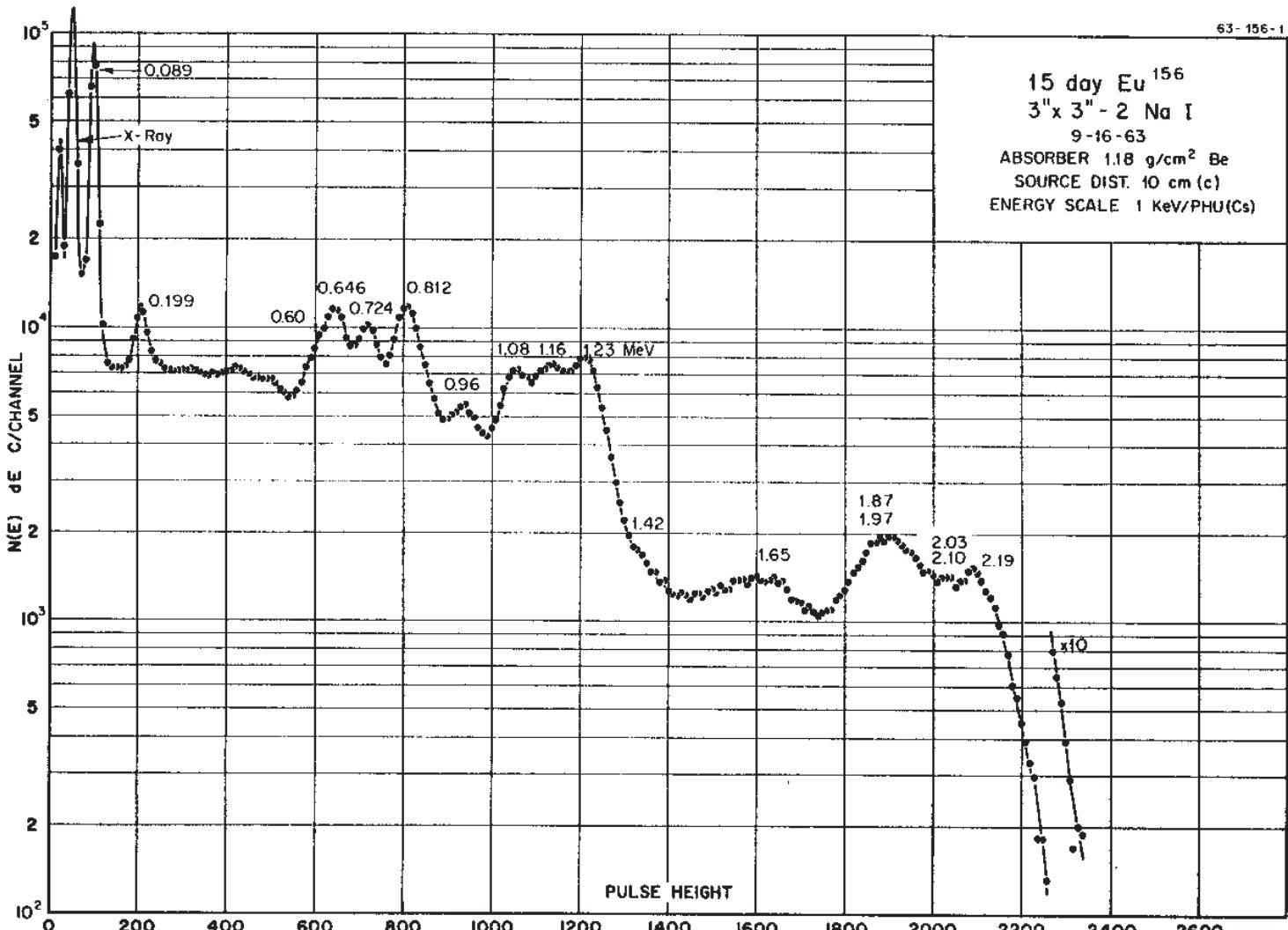
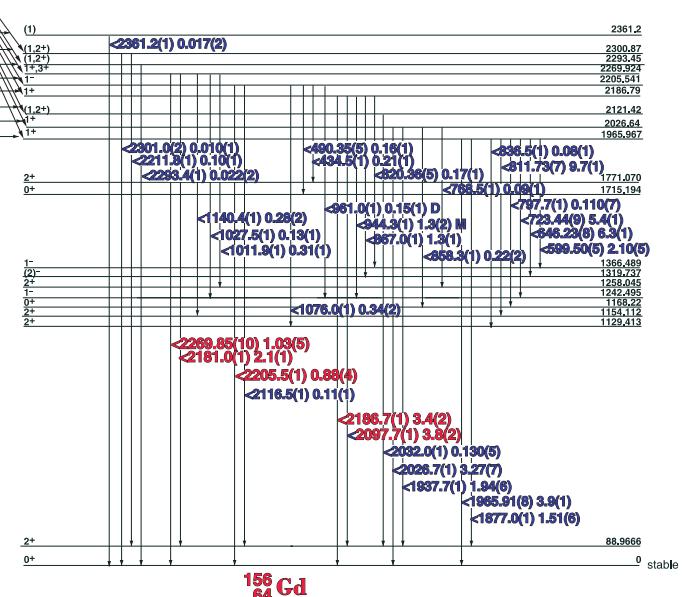


15.19(8) day ^{156}Eu

15.19(8) day Gamma rays from low-energy levels



15.19(8) day Gamma rays from high-energy levels



Decay Data

← Index →

15.19(8) day ^{156}Eu

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{156}Eu
 Detector 3" X 3" NaI-2 Half Life 15.19(8) day
 Method of Production: $^{154}\text{Sm}(n,\gamma,\beta,n,\gamma)$

E_{γ} (KeV)[S]	ΔE_{γ}	$I_{\gamma}(\text{rel})$	$I_{\gamma}(\%)[E]$	ΔI_{γ}	S
88.966	± 0.002	100	9	± 1.0	1
190.20	± 0.08	1.1	0.080	± 0.04	4
199.22	± 0.01	1.3	0.74	± 0.04	3
434.5	± 0.1	0.51	0.21	± 0.01	4
472.65	± 0.05	0.38	0.14	± 0.01	4
490.35	± 0.05	0.38	0.16	± 0.01	4
599.50	± 0.05	4.67	2.10	± 0.05	3
646.23	± 0.08	14.0	6.3	± 0.1	2
709.90	± 0.05	2.0	0.88	± 0.04	4
723.44	± 0.09	12.0	5.4	± 0.1	2
768.5	± 0.1	0.2	0.09	± 0.01	4
797.73	± 0.07	0.2	0.011	± 0.007	4
811.73	± 0.07	21.5	9.7	± 0.1	2
820.36	± 0.07	0.35	0.17	± 0.01	4
836.5	± 0.1	0.24	0.08	± 0.01	4
841.2	± 0.1	0.49	0.21	± 0.01	4
858.3	± 0.1	0.60	0.22	± 0.02	4
867.0	± 0.10	3.34	1.3	± 0.1	4
944.3	± 0.1	5.32	1.3	± 0.2	3
960.50	± 0.05	3.54	1.4	± 0.3	3
969.83	± 0.06	0.84	0.38	± 0.01	4
1011.9	± 0.1	1.20	0.31	± 0.01	4
1027.5	± 0.12	0.84	0.13	± 0.01	4
1040.4	± 0.1	1.19	0.50	± 0.04	4
1065.08	± 0.08	11.80	4.9	± 1.0	2
1076.0	± 0.10	5.32	0.34	± 0.02	3
1079.19	± 0.08	10.40	4.6	± 0.2	2
1129.4	± 0.12	0.38	0.130	± 0.007	4
1140.4	± 0.1	0.68	0.28	± 0.02	4
1153.72	± 0.08	16.0	6.8	± 0.2	1
1154.2	± 0.1	12.0	4.7	± 0.1	2
1158.88	± 0.10	6.2		± 1.5	3
1164.81	± 0.12	3.5	0.07	± 0.01	3
1169.12	± 0.06	0.69	0.27	± 0.01	4
1230.70	± 0.06	19.30	8.1	± 0.1	1
1242.47	± 0.08	15.8	6.6	± 0.3	2

E_{γ} (KeV)[S]	ΔE_{γ}	$I_{\gamma}(\text{rel})$	$I_{\gamma}(\%)[E]$	ΔI_{γ}	S
1247.99	± 0.15	0.47		± 0.08	3
1258.1	± 0.1	0.20		± 0.01	4
1277.34	± 0.05	7.10		± 0.1	3
1366.44	± 0.08	4.0		± 0.1	3
1455.02	± 0.15	0.31		± 0.08	4
1587.1	± 0.2	0.45		± 0.10	4
1675.9	± 0.3	0.38		± 0.09	4
1682.0	± 0.15	0.93		± 0.01	4
1857.4	± 0.15	0.71		± 0.01	4
1877.0	± 0.10	3.30		± 0.06	3
1937.7	± 0.1	4.45		± 0.06	3
1946.2	± 0.1	0.27		± 0.01	4
1965.91	± 0.10	9.78	3.9	± 0.1	2
2026.7	± 0.10	8.44	3.27	± 0.07	2
2032.0	± 0.1	0.98		± 0.005	4
2097.7	± 0.1	11.78	3.8	± 0.2	1
2110.64	± 0.2	0.35		± 0.09	4
2116.5	± 0.15	0.38		± 0.01	4
2181.05	± 0.10	9.11	2.1	± 0.1	1
2186.7	± 0.10	13.55	3.4	± 0.2	1
2205.5	± 0.10	3.78	0.88	± 0.04	1
2211.85	± 0.12	0.44		± 0.01	3
2269.85	± 0.10	5.33	1.03	± 0.05	1
2293.4	± 0.1			± 0.002	4
2301.0	± 0.2			± 0.001	4
2361.2	± 0.1			± 0.002	4

15.18(3) hr. ^{157}Eu

63-157-1

