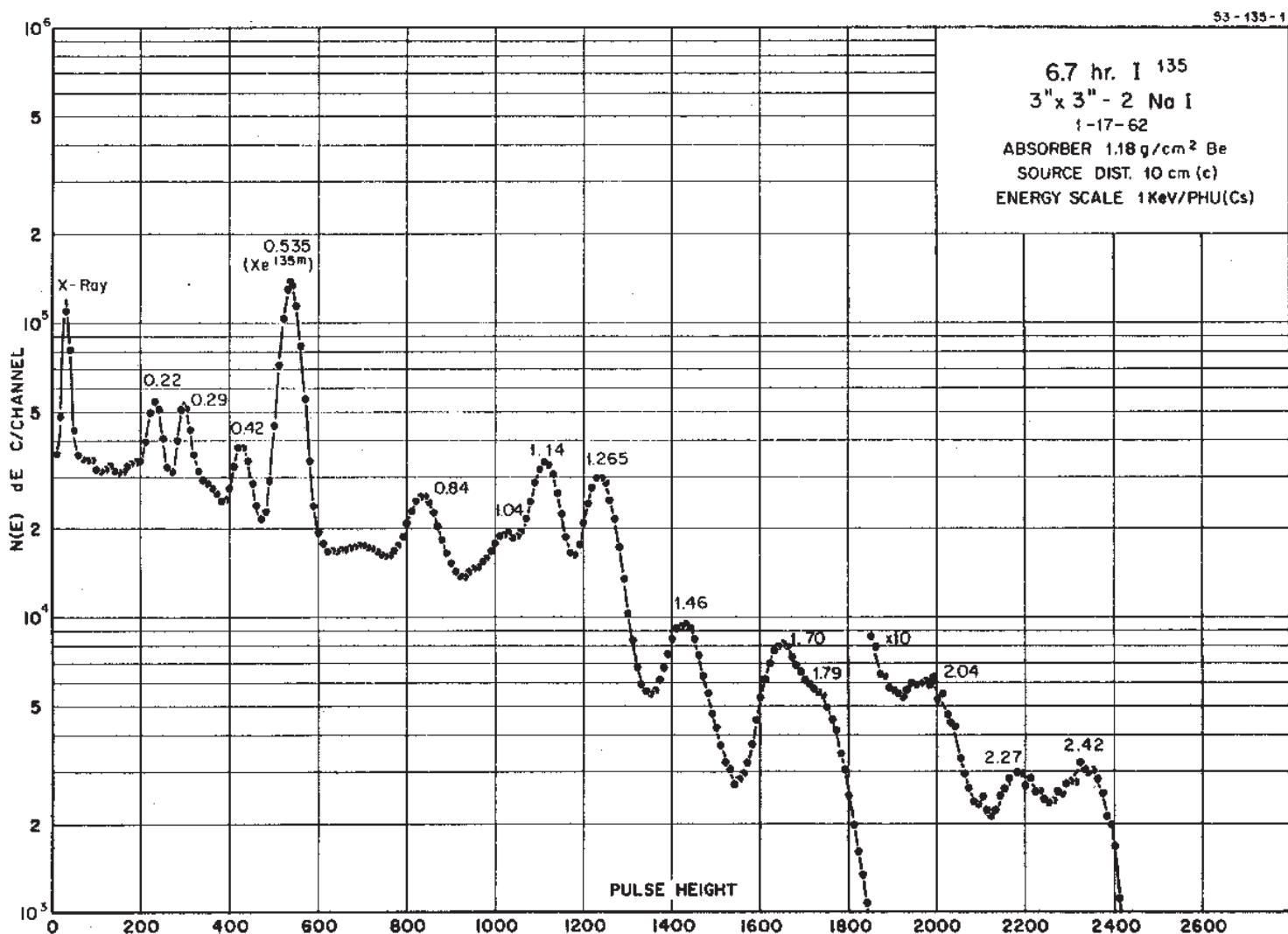
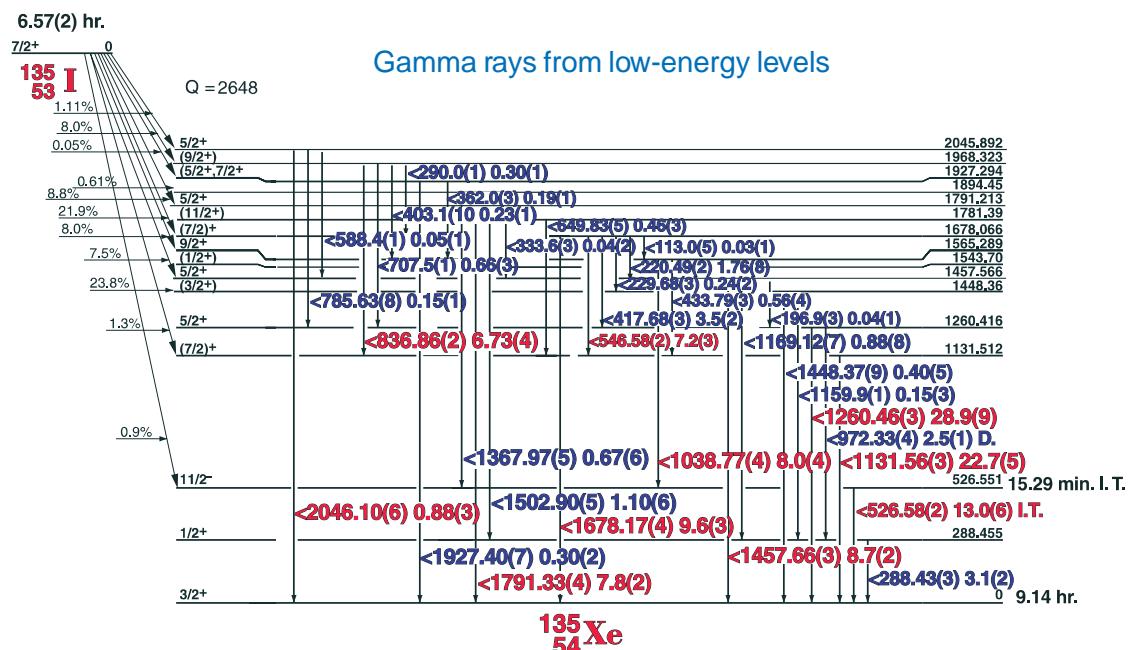


6.57(2) hr. ^{135}I

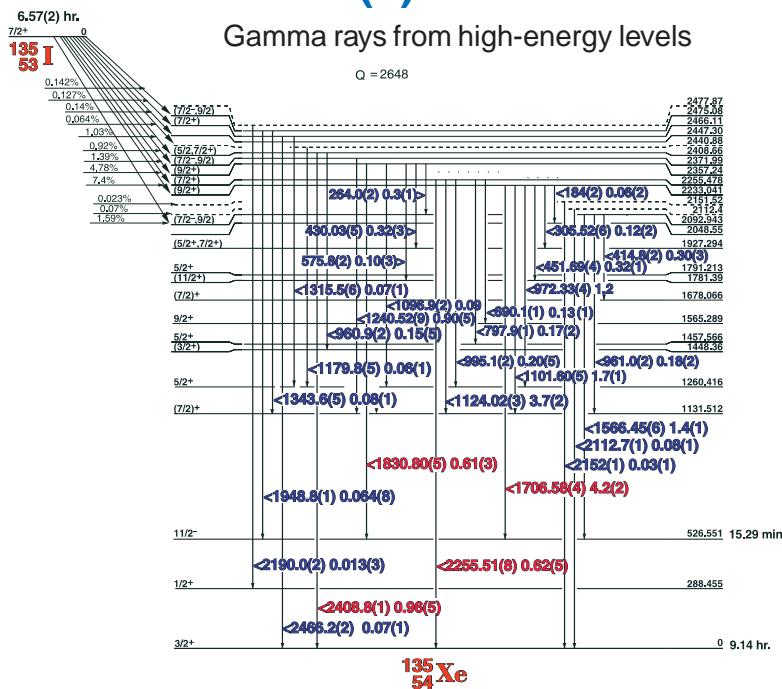


Decay Data



6.57(2) hr. ^{135}I

Gamma rays from high-energy levels



54-135-1

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{135}I
Detector 3" x 3" -2 NaI

Half Life 6.57(2) hr.
Method of Production: $^{235}\text{U}(\text{n},\text{f})$

	E_{γ} (KeV)[S]	ΔE_{γ}	$I_{\gamma}(\text{rel})$	$I_{\gamma}(\%)[\text{E}]$	ΔI_{γ}	S
D	113.0	± 0.6	0.097	0.03	± 0.01	4
	158.18	± 0.05	0.83		± 0.07	4
	184.0	$+ 2.0$	0.19	0.06	± 0.02	4
	196.85	± 0.30	0.16	0.04	± 0.01	4
	220.490	± 0.020	6.4	1.76	± 0.03	3
	229.680	$+ 0.026$	0.74	0.24	± 0.02	4
	264.03	$+ 0.25$	1.1	0.31	± 0.03	4
	288.43	± 0.03	11.7	3.1	± 0.2	3
	289.8	± 0.5		0.30	± 0.06	4
	305.52	± 0.06	0.47	0.12	± 0.02	4
	333.6	± 0.3	0.163	0.04	± 0.01	4
	362.0	± 0.3	0.43	0.19	± 0.01	4
	403.10	± 0.08	1.05	0.23	± 0.01	4
	414.8	± 0.3	1.1	0.30	± 0.03	4
	417.685	± 0.028	12.5	3.5	± 0.2	2
	430.026	± 0.053	1.10	0.32	± 0.03	4
	433.789	± 0.035	1.81	0.56	± 0.04	4
	451.691	± 0.038	1.03	0.32	± 0.02	4
135m	Xe 526.581	± 0.018	45.0	13.0	± 0.6	1
	546.579	± 0.020	24.8	7.2	± 0.3	1
	575.8	± 0.2	0.31	0.10	± 0.01	4
	588.37	± 0.14	0.09	0.05	± 0.01	4
	649.83	± 0.05	1.56	0.46	± 0.03	4
	690.10	± 0.15	0.58	0.13	± 0.01	4
	707.53	± 0.12	2.8	0.66	± 0.07	3
	785.63	± 0.08	0.48	0.15	± 0.01	4
	797.88	± 0.15	0.53	0.17	± 0.02	4
	813.0	± 0.8	0.23		± 0.04	4
	836.865	± 0.022	22.5	6.73	± 0.33	1
D	960.98	± 0.20	0.63	0.16	± 0.02	4
	972.33	± 0.04	7.6	2.4	± 0.12	3
	995.09	± 0.20	0.76	0.24	± 0.02	4

	E_{γ} (KeV)[S]	ΔE_{γ}	$I_{\gamma}(\text{rel})$	$I_{\gamma}(\%)[\text{E}]$	ΔI_{γ}	S
	1038.77	± 0.04	28.2	8.2	± 0.41	1
	1096.9	± 2.0	0.2	0.09	± 0.01	4
	1101.60	± 0.05	5.6	1.7	± 0.09	3
	1124.020	± 0.030	12.7	3.8	± 0.19	2
	1131.561	± 0.028	76.4	22.7	± 0.5	1
	1159.95	± 0.15	0.53	0.15	± 0.03	4
	1169.12	± 0.07	3.22	0.88	± 0.08	3
	1179.8	± 0.6	0.19	0.06	± 0.01	4
	1240.52	± 0.09	3.00	0.90	± 0.05	3
	1260.462	± 0.030	100	28.9	± 0.9	1
	1315.5	± 0.5	0.40	0.07	± 0.01	4
	1343.6	± 0.5	0.31	0.09	± 0.01	4
	1367.97	± 0.05	2.30	0.69	± 0.06	3
	1448.37	± 0.09	1.5	0.45	± 0.05	4
	1457.660	± 0.035	30.4	8.7	± 0.2	1
	1502.90	± 0.05	3.9	1.10	± 0.06	2
	1566.45	± 0.06	4.9	1.4	± 0.08	2
	1678.175	± 0.038	34.1	9.6	± 0.3	1
	1706.580	± 0.045	14.5	4.2	± 0.21	1
	1791.326	± 0.038	28.1	7.8	± 0.2	1
	1830.80	± 0.05	2.11	0.62	± 0.04	1
	1927.40	± 0.07	1.12	0.30	± 0.02	2
	1948.80	± 0.12	0.278	0.064	± 0.008	3
	1968.2	± 1.5	VW			4
	2046.10	± 0.06	3.13	0.88	± 0.03	1
	2112.68	± 0.14	0.27	0.08	± 0.01	3
	2152.1	± 1.5	0.11	0.03	± 0.008	4
	2190.0	VW		0.013	± 0.001	4
	2255.51	± 0.08	2.16	0.63	± 0.05	1
	2408.77	± 0.12	3.22	0.96	± 0.05	1
	2466.25	± 0.25	0.24	0.07	± 0.01	2