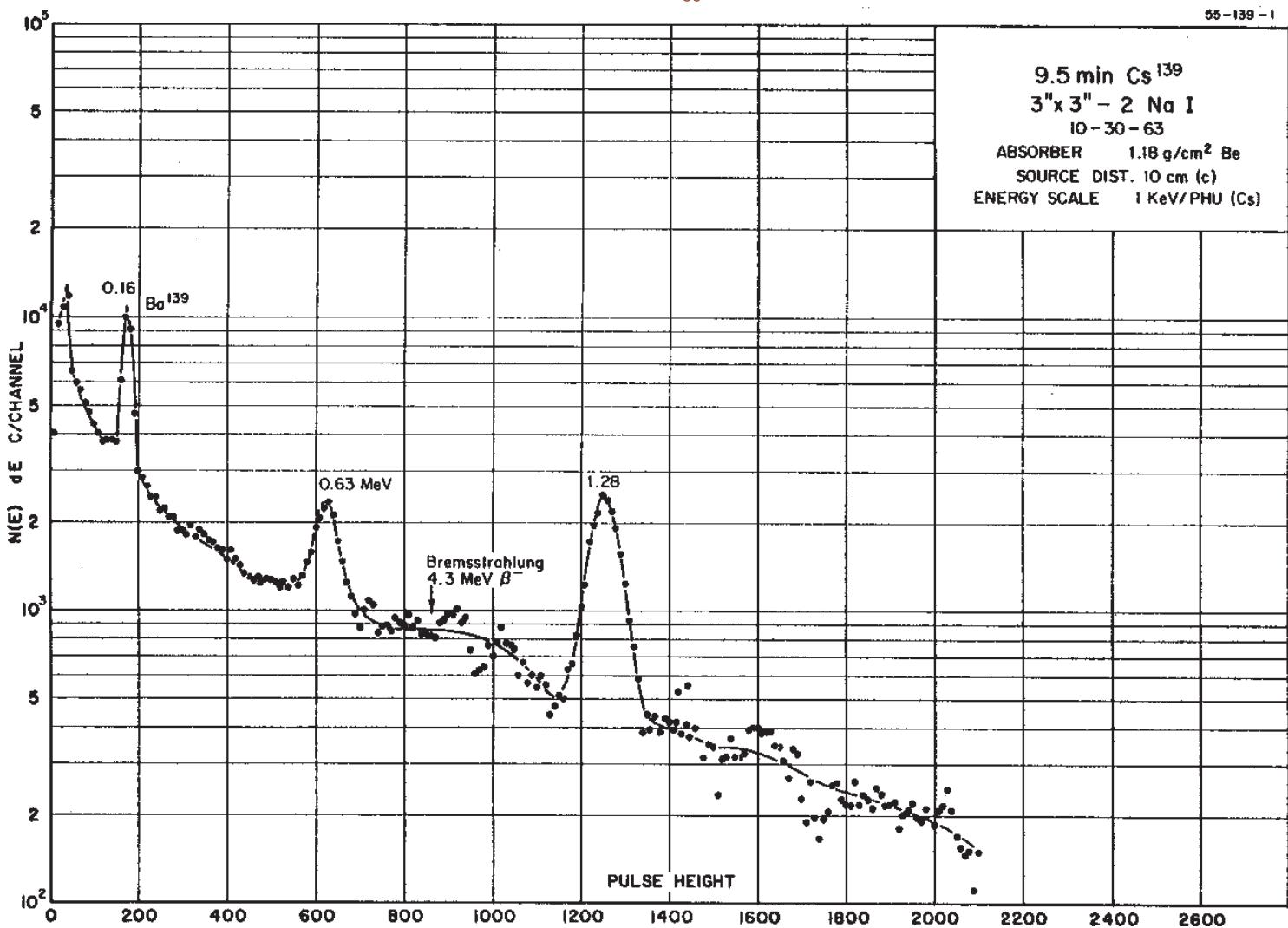
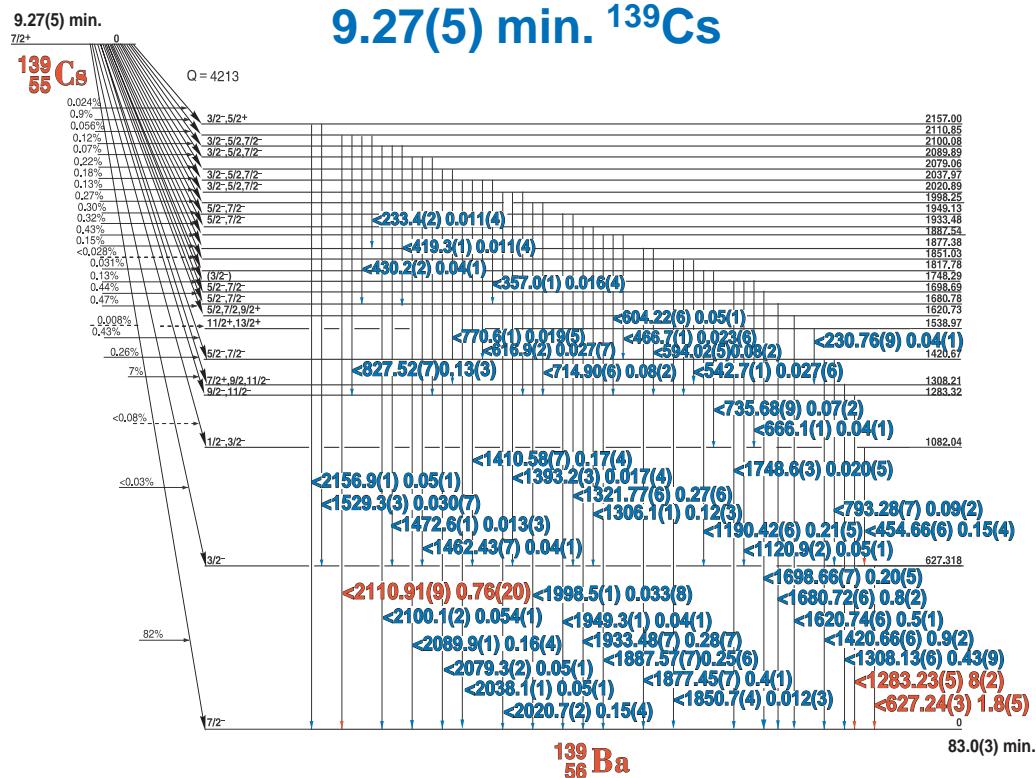


9.27(5) min. ^{139}Cs



9.27(5) min. ^{139}Cs Decay Scheme

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{139}Cs
Detector 3" x 3" -2 NaI

Half Life: 9.27(5) min.
Method of Production: $^{235}\text{U}(\text{n},\text{f})$

E_{γ} (KeV)[S]	ΔE_{γ}	I_{γ} (rel)	$I_{\gamma}(\%)[E]$	ΔI_{γ}	S
230.76	± 0.09		0.04	± 0.01	4
233.4	± 0.2		0.011	± 0.004	4
357.0	± 0.1		0.016	± 0.004	4
419.3	± 0.1		0.011	± 0.004	4
430.2	± 0.2		0.04	± 0.01	3
454.66	± 0.06		0.15	± 0.04	3
466.7	± 0.1		0.023	± 0.006	3
542.7	± 0.1		0.027	± 0.006	4
594.02	± 0.05		0.08	± 0.02	4
604.22	± 0.06		0.05	± 0.01	4
616.9	± 0.2		0.027	± 0.007	3
627.24	± 0.03		1.8	± 0.5	1
666.1	± 0.1		0.04	± 0.01	4
714.90	± 0.06		0.08	± 0.02	4
735.68	± 0.09		0.07	± 0.02	4
770.6	± 0.1		0.019	± 0.005	4
793.28	± 0.07		0.09	± 0.02	3
827.52	± 0.07		0.13	± 0.03	3
1120.9	± 0.2		0.05	± 0.01	3
1190.42	± 0.06		0.21	± 0.05	3
1283.23	± 0.05		8.0	± 2	1
1306.1	± 0.1		0.12	± 0.03	3
1308.13	± 0.06		0.43	± 0.09	3
1321.77	± 0.06		0.27	± 0.06	3
1393.2	± 0.3		0.017	± 0.004	4
1410.58	± 0.07		0.17	± 0.04	3
1420.66	± 0.06		0.9	± 0.2	2
1462.43	± 0.06		0.04	± 0.01	4
1472.6	± 0.1		0.013	± 0.003	4
1529.3	± 0.3		0.030	± 0.007	4
1620.74	± 0.06		0.5	± 0.1	3
1680.72	± 0.06		0.8	± 0.2	3
1698.66	± 0.07		0.20	± 0.05	3
1748.6	± 0.3		0.020	± 0.005	4
1850.7	± 0.4		0.012	± 0.003	4
1877.45	± 0.07		0.4	± 0.1	2
1887.57	± 0.07		0.25	± 0.06	3
1933.48	± 0.07		0.28	± 0.07	3
1949.3	± 0.1		0.04	± 0.01	4
1998.5	± 0.1		0.033	± 0.008	4
2020.7	± 0.2		0.15	± 0.04	3
2038.1	± 0.1		0.05	± 0.01	4
2079.3	± 0.2		0.05	± 0.01	4
2089.9	± 0.1		0.16	± 0.04	3
2100.1	± 0.2		0.054	± 0.01	4
2110.91	± 0.09		0.76	± 0.20	1
2156.9	± 0.1		0.05	± 0.01	4
2173.98	± 0.07		0.23	± 0.06	2