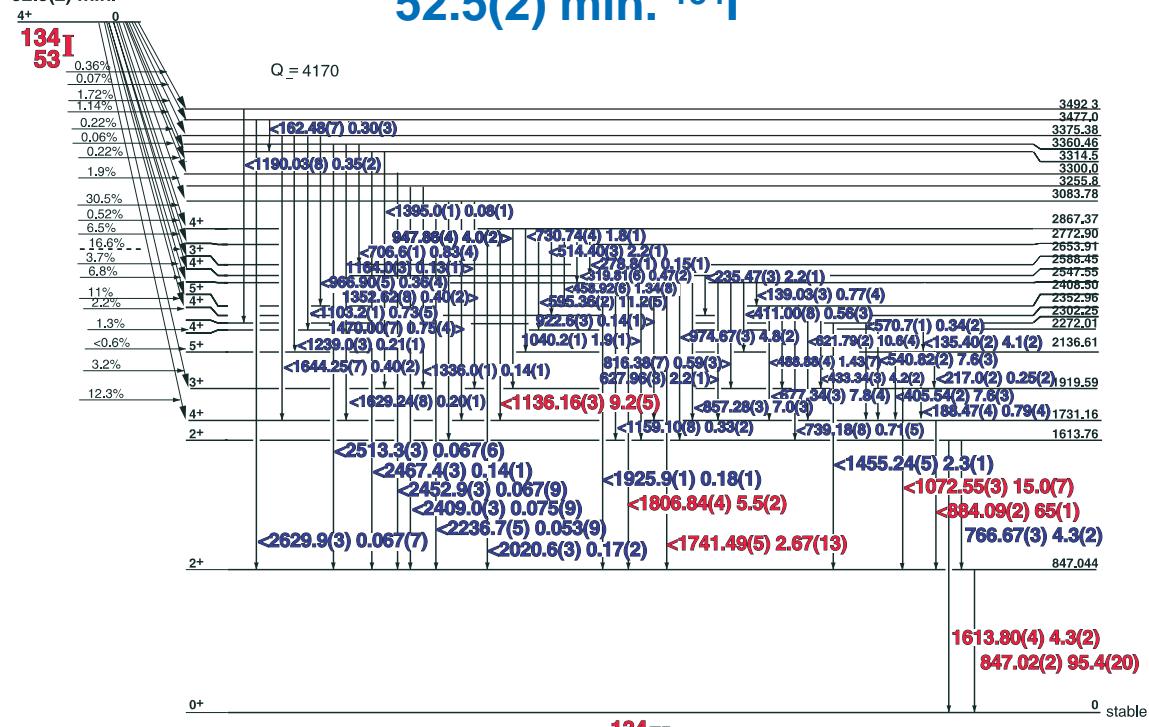
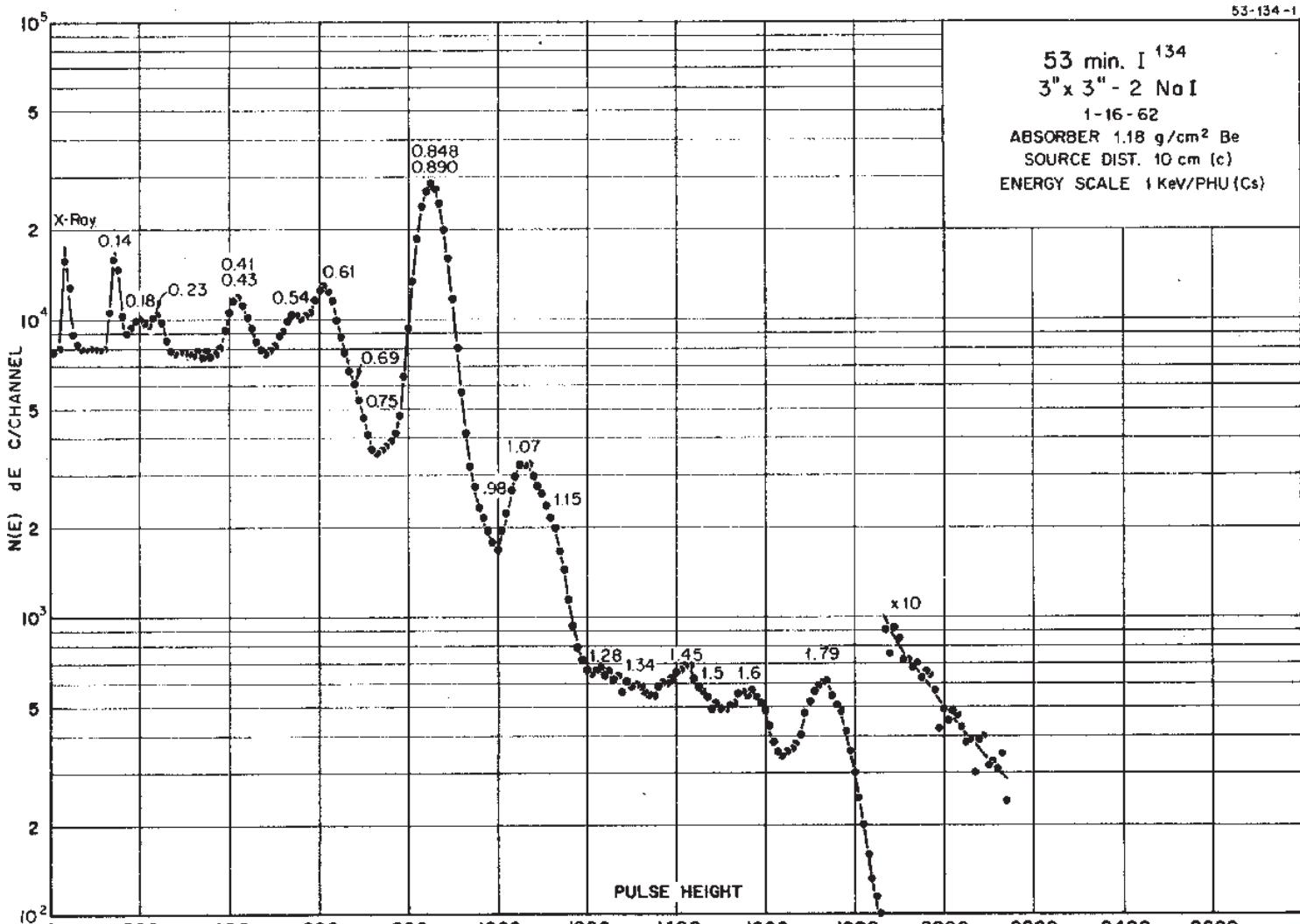


52.5(2) min.

52.5(2) min. ^{134}I  **^{134}Xe** 

52.5(2) min. ^{134}I

54-134-1

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{134}I
 Detector 3" x 3" -2 Nal

Half Life 52.5(2) min.
 Method of Production: $^{235}\text{U}(\text{n},\text{f})$

E_{γ} (KeV)[S]	ΔE_{γ}	$I_{\gamma}(\text{rel})$	$I_{\gamma}(\%)[E]$	ΔI_{γ}	S
135.399	± 0.022	3.94	4.1	± 0.2	3
139.030	± 0.030	0.72	0.77	± 0.04	4
151.98	± 0.15	0.11		± 0.012	4
162.48	± 0.07	0.27	0.30	± 0.03	4
188.47	± 0.04	0.73	0.79	± 0.04	3
217.0	± 0.2	0.26	0.23	± 0.02	4
235.471	± 0.026	2.08	2.2	± 0.1	3
262.6	± 0.3	0.44		± 0.02	4
278.80	± 0.15	0.13	0.15	± 0.01	4
319.81	± 0.06	0.54	0.47	± 0.02	4
351.08	± 0.10	0.52		± 0.06	4
405.541	± 0.020	7.7	7.6	± 0.3	2
411.00	± 0.08	0.64	0.56	± 0.03	4
433.345	± 0.030	4.39	4.2	± 0.2	3
458.92	± 0.06	1.36	1.34	± 0.08	3
465.50	± 0.10	0.38		\pm	
488.88	± 0.04	1.48	1.43	± 0.07	3
514.400	± 0.030	2.45	2.2	± 0.1	3
540.825	± 0.025	8.2	7.63	± 0.3	2
565.52	± 0.04	0.92		± 0.06	4
595.362	± 0.020	11.9	11.2	± 0.5	2
621.790	± 0.025	11.1	10.6	± 0.4	2
627.960	± 0.030	2.48	2.2	± 0.1	3
677.338	± 0.030	8.9	7.8	± 0.4	3
706.65	± 0.10	0.87	0.83	± 0.04	4
730.74	± 0.04	2.00	1.8	± 0.1	3
739.18	± 0.08	0.80	0.71	± 0.05	4
766.675	± 0.035	4.30	4.3	± 0.2	3
784.9	± 0.3	0.28		± 0.05	4
816.38	± 0.07	0.55	0.59	± 0.03	4
847.025	± 0.025	100	95.4	± 2.0	1
857.285	± 0.030	7.3	7.0	± 0.3	2
884.090	± 0.025	68.4	65	± 1.0	1
922.6	± 0.3	0.15	0.14	± 0.02	4
947.86	± 0.04	4.23	4.0	± 0.20	2
966.90	± 0.05	0.37	0.36	± 0.04	4
974.670	± 0.035	4.88	4.8	± 0.2	2
1040.25	± 0.10	2.01	1.9	± 0.1	3
1072.55	± 0.030	16.0	15.0	± 0.7	1
1103.18	± 0.12	0.76	0.73	± 0.05	3
1136.16	± 0.035	10.2	9.2	± 0.51	

E_{γ} (KeV)[S]	ΔE_{γ}	$I_{\gamma}(\text{rel})$	$I_{\gamma}(\%)[E]$	ΔI_{γ}	S
1159.10	± 0.08	0.32	0.33	± 0.02	3
1164.0	± 0.3	0.14	0.13	± 0.01	4
1190.03	± 0.08	0.37	0.35	± 0.02	3
1239.0	± 0.3	0.22	0.21	± 0.01	4
1336.0	± 0.2	0.15	0.14	± 0.01	4
1352.62	± 0.08	0.47	0.40	± 0.02	3
1395.0	± 1.0	0.08	0.08	± 0.01	4
1455.24	± 0.05	2.40	2.3	± 0.1	2
1470.00	± 0.07	0.81	0.75	± 0.04	3
1505.5	± 0.4	0.12		± 0.04	4
1541.51	± 0.07	0.53		± 0.04	3
1613.800	± 0.043	4.57	4.3	± 0.2	1
1629.24	± 0.08	0.27	0.20	± 0.01	3
1644.25	± 0.07	0.43	0.40	± 0.02	3
1655.19	± 0.10	0.24		± 0.03	3
1741.49	± 0.05	2.8	2.67	± 0.15	1
1806.84	± 0.040	5.95	5.5	± 0.30	1
1868.5	± 0.2	0.07		± 0.02	3
1893.2	± 0.3	0.06		± 0.01	4
1925.88	± 0.10	0.19	0.18	± 0.01	3
1947.3	± 0.3	0.10		± 0.02	3
2020.6	± 0.3	0.18	0.17	± 0.02	3
2159.9	± 0.3	0.22		± 0.03	2
2236.7	± 0.5	0.056	0.053	± 0.009	3
2262.5	± 0.3	0.10		± 0.02	3
2312.4	± 0.2	0.25		± 0.03	2
2409.0	± 0.3	0.079	0.075	± 0.009	3
2452.9	± 0.3	0.067	0.067	± 0.009	3
2467.4	± 0.3	0.16	0.14	± 0.01	2
2513.3	± 0.3	0.073	0.067	± 0.006	3
2629.9	± 0.3	0.070	0.067	± 0.008	3
2699.5	± 0.5	0.034		± 0.008	3
2840.0	± 4.0	0.02		± 0.01	4