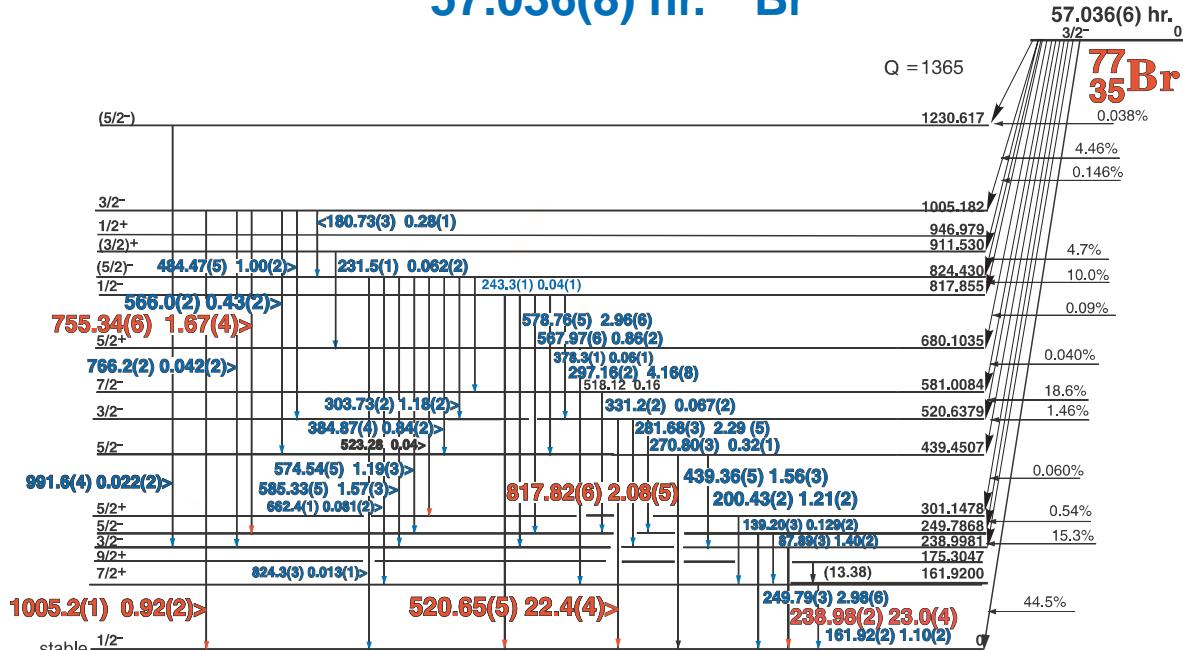


57.036(8) hr. ^{77}Br



GAMMA-RAY ENERGIES AND INTENSITIES

35-77-1

Nuclide **^{77}Br** **Half Life** **57.036(8) hr.**
Detector **3" x 3" -2 NaI** **Method of Production:** $\text{Se}^{80}(\text{n},\gamma)$

E_{γ} (KeV)[S]	ΔE_{γ}	I_{γ} (rel)	$I_{\gamma}(\%)$ [E]	ΔI_{γ}	S
87.89	± 0.03	4.7	1.40	± 0.02	2
139.20	± 0.03	0.49	0.129	± 0.002	4
161.92	± 0.02	4.2	1.10	± 0.02	2
180.73	± 0.03	0.96	0.28	± 0.01	3
187.28	± 0.04	0.33	0.08	± 0.01	4
200.43	± 0.02	4.5	1.21	± 0.02	2
231.48	± 0.10	0.15	0.062	± 0.02	4
238.98	± 0.08	7.0	23.0	± 0.4	1
243.35	± 0.10	0.30	0.04	± 0.01	4
249.79	± 0.03	11.0	2.98	± 0.06	2
270.80	± 0.03	1.2	0.32	± 0.01	4
281.68	± 0.03	8.6	2.29	± 0.05	3
297.16	± 0.02	16.0	4.16	± 0.08	2
303.73	± 0.02	4.7	1.18	± 0.02	3
331.2	± 0.2	0.21	0.067	± 0.002	4
378.32	± 0.15	0.31	0.06	± 0.01	4
384.87	± 0.04	3.4	0.84	± 0.02	3
439.36	± 0.05	7.0	1.56	± 0.03	2
484.47	± 0.05	4.2	1.00	± 0.02	2
520.65	± 0.05	100	22.4	± 0.4	1
566.0	± 0.2	2.3	0.43	± 0.02	4
567.97	± 0.06	5.0	0.86	± 0.02	2
574.54	± 0.05	3.3	1.19	± 0.03	2
578.76	± 0.05	12.0	2.96	± 0.06	2
585.33	± 0.05	6.9	1.57	± 0.03	2
655.8	± 0.2	0.17	0.04	± 0.008	4
662.42	± 0.10	0.49	0.081	± 0.002	3
755.34	± 0.06	6.9	1.67	± 0.04	1
766.2	± 0.2	0.19	0.042	± 0.002	4
817.82	± 0.06	9.8	2.08	± 0.05	1
824.3	± 0.3	0.57	0.013	± 0.001	3
842.8	± 0.3	0.19	0.05	± 0.007	3
991.6	± 0.4	0.06	0.022	± 0.002	3
1005.21	± 0.10	4.1	0.92	± 0.02	1