





GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: <sup>147</sup>Nd

Detector: 65 cm<sup>3</sup> coaxial Ge (Li)

E<sub>γ</sub>, σE<sub>γ</sub>, I<sub>γ</sub>, σI<sub>γ</sub> - 1998 ENSDF Data

Half Life: 10.98(1) day

Method of Production: <sup>146</sup>Nd(n,γ)

E <sub>γ</sub> (keV)	σE <sub>γ</sub>	I <sub>γ</sub> (rel)	I <sub>γ</sub> (%)	σI <sub>γ</sub>	S
91.105	0.002	100.	27.9	1.1	1
120.48	0.05	1.42	0.40	0.04	2
154.0	1.0		0.0558	0.0022	4
196.64	0.04	0.73	0.204	0.019	3
275.374	0.015	2.87	0.80	0.06	2
319.411	0.018	7.0	1.95	0.14	1
398.155	0.020	3.12	0.87	0.07	1
410.48	0.03	0.50	0.140	0.010	3

E <sub>γ</sub> (keV)	σE <sub>γ</sub>	I <sub>γ</sub> (rel)	I <sub>γ</sub> (%)	σI <sub>γ</sub>	S
439.895	0.022	4.3	1.20	0.10	1
489.24	0.03	0.55	0.154	0.010	3
531.016	0.022	46.9	13.1	0.9	1
589.35	0.04	0.164	0.046	0.005	2
594.80	0.03	0.95	0.265	0.020	1
680.52	0.15	0.070	0.020	0.004	4
685.90	0.04	2.91	0.81	0.06	1