



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: <sup>77</sup>As

Half Life: 38.83(5) hr.

Detector: 55 cm<sup>3</sup> coaxial Ge (Li)

Method of Production: <sup>76</sup>Se(γ,p)

E <sub>γ</sub> (keV)	σ E <sub>γ</sub>	I <sub>γ</sub> (rel)	I <sub>γ</sub> (%)	σ I <sub>γ</sub>	S
13.4			0.0002		4
51.340	0.020		0.0007	0.0001	4
62.2	0.4		0.0001		4
81.150	0.020		0.0004	0.0001	4
87.854	0.005	13.0	0.20	0.04	1
125.840	0.020		0.00119	0.00022	4
139.243	0.015	1.0	0.0099	0.0017	3
161.932	0.010	8.1	0.146	0.024	1
200.470	0.020		0.00107	0.00020	
239.011	0.006	100	1.59	0.24	1
249.805	0.008	27.0	0.39	0.07	1
270.850	0.012	0.7	0.0083	0.0014	3
281.642	0.008	3.9	0.058	0.010	1
439.493	0.020		0.00102	0.00019	4
520.654	0.015	39.0	0.56	0.09	1

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

<sup>77</sup>As(38 hr.) Decay Scheme

