



**Channel Number** 

## <sup>180m</sup>Hf(5.5 hr.) Decay Scheme 5.5 hr. 1141.73 8-1084.18 8+ Q=854 IT=99.7% $\beta$ -=0.3% 641.03 308.75 0.023% 8+ 176.0 93.33 2+ 0.29% 9-75.3 >1.2x10<sup>15</sup> yr. 1+ 0+ stable 8.1 hr.

## **GAMMA-RAY ENERGIES AND INTENSITIES**

Nuclide:  $^{180\text{m}}\text{Hf}$  Half Life: 5.5(1) hr. Detector: 55 cm<sup>3</sup> coaxial Ge (Li) Method of Production:  $^{179}\text{Hf}(n,\gamma)$ 

$E_{\gamma}$ (keV)	$\sigma  E_{\gamma}$	l <sub>γ</sub> (rel)	l <sub>γ</sub> (%)	σ I <sub>γ</sub>	S
57.547	0.006	49.0	48.1	1.0	1
93.325	0.012	15.5	17.2	0.3	1
100.70	0.05		0.017	0.006	4
215.426	0.008	86.2	81.6	1.0	1
332.275	0.011	100.	94.4	1.2	1
443.163	0.015	86.4	82.1	1.2	1
500.697	0.013	15.1	14.3	0.3	1

 $E_{\gamma}$ ,  $\sigma E_{\gamma}$ ,  $I_{\gamma}$ ,  $\sigma I_{\gamma}$  - 1998 ENSDF Data



