





19 hr. 2142 Pr(19 hr.) Decay Scheme 19 hr. 2142 Pr Q=2162 β- =99.9836% 2+ 0+ 0+ 0,0.0142% 96.3% 0+ 0+ 5x10¹⁶ yr. 142 Ce 142 Not stable

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ¹⁴²Pr Half Life: 19.12(4) hr. Detector: 4.55 cm² x 8 mm Ge (Li) Method of Production: ¹⁴¹Pr(n,γ)

E_{γ} (keV)	σE_{γ}	I_{γ} (rel)	l _γ (%)	σ Ι $_{\gamma}$	S
508.8	0.5		0.023	0.004	4
642.0	1.0		0.0022		4
1575.6	0.5	100.	3.7	0.5	1

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



