
 $^{141}\text{Pr}(\text{n},\gamma)$ E=519.2 eV [1969MuZT,1969Be55](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	T. D. Johnson, D. Symochko(a), M. Fadil(b), and J. K. Tuli		NDS 112, 1949 (2011)	1-Jun-2010

Measured γ from neutron resonance with $J^\pi=2^+$.

 ^{142}Pr Levels

E(level) [†]	J^π [#]	$I_\gamma/E\gamma^3$ [‡]	Comments
0.0	2 ⁻	17.90 <i>94</i>	
17.8	3 ⁻	5.16 <i>60</i>	
85.1	1 ⁻	5.20 <i>63</i>	
176.9	(3) ⁻	0.64 <i>45</i>	
200.4	(2) ⁻	0.00 <i>40</i>	
702.3		0.34 <i>56</i>	E(level): may include level 705.2.
747.0	2 ⁻ ,3 ⁻	0.66 <i>60</i>	

[†] Adopted energies of the levels populated by direct primary γ transitions; $E\gamma$'s are not given.

[‡] Relative reduced partial radiation widths ($I_\gamma/E\gamma^3$) with assumption of dipole transitions ([1969Be55](#)).

[#] Adopted values.