

$^{141}\text{Pr}(n,\gamma)$ E=85.2 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_γ/E_γ^3 [#]	Comments
0	2 ⁻	2.47 17	
17.8	3 ⁻	0.46 12	
85.1	1 ⁻	6.65 25	
176.9	(3) ⁻	2.35 18	
200.4	(2) ⁻	3.30 20	
702.3		3.91 25	E(level): may include level 705.2.
747.0	2 ⁻ ,3 ⁻	1.14 19	
822.6	2 ⁻ ,3 ⁻		
1041.8	2 ⁻ ,3 ⁻		
1250.8			
1402.5			
1470.6			
1495.5			
1566.5			
1590.9			

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

[‡] Adopted values.

[#] Relative reduced partial radiation widths (I_γ/E_γ^3) with assumption of dipole transitions ([1969Be55](#)).