^{141}Pr(n,γ) E=635.7 eV 1969Be55

History

Type	Author	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 $J^{\pi}=3^{+}$.

^{142}Pr Levels

E(level)[†]	J$^{\pi}$[#]	Iγ/Eγ^3[‡]	Comments
0.0	2^-	0.79 *21*	
17.8	3^-	0.48 *19*	
72.3	4^-	0.09 *18*	
144.6	4^-	0.53 *22*	
176.9	$(3)^-$	3.78 *35*	
200.4	$(2)^-$	0.90 *24*	
637.1	4^-	1.13 *30*	
702.3		2.05 *35*	E(level): may include level 705.2.
747.0		1.47 *34*	

[†] Adopted energies of the levels populated by direct primary γ transitions; Eγ's are not given.
[‡] Relative reduced partial radiation widths (Iγ/Eγ^3) with assumption of dipole transitions (1969Be55).
[#] Adopted values.