^{141}Pr(n,γ) E=231.7 eV 1969MuZT,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^-	0.16 *10*	
17.8	3^-	0.17 *10*	
72.3	4^-	1.95 *15*	
144.6	4^-	0.92 *13*	
176.9	$(3)^-$	0.35 *11*	
200.4	$(2)^-$	1.12 *14*	
637.1	4^-	0.67 *16*	
702.3		1.25 *19*	E(level): may include level 705.2.
747.0	$2^-,3^-$	1.17 *19*	
790.3	$2^-,3^-$		
822.6	$2^-,3^-$		
978.3	$2^-,3^-$		
1041.8	$2^-,3^-$		
1120.2	$3^-,4^-$		
1150.0	$2^-,3^-$		
1250.8			
1346.6			
1393.8			
1402.5			
1470.6			
1495.5			
2590.5			

[†] 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.