^{237}Np(n,γ) E=res:avg 1990Ho02

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 127, 191 (2015)	1-Jun-2014

E(n)=2 keV. Primary γ rays from average resonance capture.

^{238}Np Levels

E(level)	J$^{\pi}$[†]	Comments
136.3 *3*	3^-	
181.5 *5*	4^-&2^-	E(level),J$^{\pi}$: assigned by the authors as including the 179.2 *4*- and the 182.9 *2*- Adopted Levels.
216.7 *3*	3^-	
250.0 *11*	$(2)^-$	
258 *3*	4^-	
300 *2*	$(1)^-$	
305.4 *20*	1^- to 4^-	
324.5 *4*	$(4)^-$&1^-	E(level),J$^{\pi}$: assigned by the authors as including the 324.3 $(4)^-$ and the 325.2 *1*- Adopted Levels.
334.7 *8*	1^- to 4^-	
347.1 *23*	1^- to 3^-	
352.3 *10*	$(3)^-$	
367.0 *9*	$(2)^-$	
373.8 *7*	$(1)^-$	
381.1 *10*	$(3)^-$	
443.8 *10*	$(4)^-$	
458.1 *3*	1^- to 3^-	
468.6 *15*	1^- to 4^-	
473.3 *4*	1^- to 4^-	
497.1 *6*	2^-,3^-,4^-	
505.1 *10*	1^- to 4^-	
529.5 *7*	3^-	
545.1 *21*	3^-,4^-	
567.0 *3*	3^-	
584.9 *4*	1^- to 4^-	
601.4 *4*	1^- to 3^-	
635.3 *10*	1^- to 4^-	
649.0 *6*	1^- to 3^-	
672.7 *10*	1^- to 3^-	
676.9 *18*	1^- to 4^-	
692.1 *3*	1^- to 3^-	

[†] From Adopted Levels. Levels strongly populated in average resonance neutron capture are expected to have J=1 to 4 with π=−.