^{105}Pd(n,γ) E=2 keV res 1987Fo20

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne and A. Negret	NDS 109, 943 (2008)	1-May-2007

E(n)=2 keV obtained with Sc filter, ΔE(n)≈0.85 keV. About 85 resonances included. Measured Eγ, Iγ. Deduced: ^{106}Pd levels, J^{π}.

^{106}Pd Levels

E(level)†	J^{π}‡	E(level)†	J^{π}‡	E(level)†	J^{π}‡	E(level)†	J^{π}‡
0.0	$0^+,5^+$	1562.25 *4*	$2^+,3^+$	2083.86 *5*	$2^-,3^-$	2350.81 *5*	$(1^+),4^+$
511.851 *23*	$2^+,3^+$	1706.39 *5*	0^+	2242.49 *4*	$2^+,3^+$	2365.96 *5*	5^+
1128.01 *3*	$2^+,3^+$	1909.47 *9*	$2^+,3^+,4^+$	2278.11 *9*	$0^+,5^+$	2401.4 *2*	$2^-,3^-$
1133.77 *4*	$0^+,5^+$	1932.28 *6*	$2^+,3^+,4^+$	2282.94 *5*	$1^+,2^+,3^+,4^+$	2439.10 *7*	$2^+,3^+,4^+$
1229.25 *4*	4^+	2001.49 *5*	$0^+,(5^+)$	2305.56 *5*	4^-	2484.66 *20*	$1^-,4^-$
1557.65 *4*	$2^+,3^+$	2076.29 *6*	$(1^+),4^+$	2308.81 *5*	$2^+,3^+$	9563.2# *10*	

† Only levels fed by primary γ's given.
‡ Suggested from average resonance capture method.
# Corresponds to 2-keV capture, which involves about 85 resonances.