

$^{105}\text{Pd}(n,\gamma)$ E=24 keV res 1987Fo20

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

E(n)=24 keV obtained with Fe filter, $\Delta E(n)\approx 1.9$ keV. Measured $E\gamma$, $I\gamma$. Deduced: ^{106}Pd levels, J^π .

 ^{106}Pd Levels

E(level) [†]	J^π [#]	E(level) [†]	J^π [#]	E(level) [†]	J^π [#]
0.0	0 ⁺ ,5 ⁺	1909.47 9	2 ⁺ ,3 ⁺ ,4 ⁺	2305.56 5	4 ⁻
511.851 23	2 ⁺ ,3 ⁺	1932.28 6	2 ⁺ ,3 ⁺ ,4 ⁺	2308.81 5	2 ⁺ ,3 ⁺
1128.01 3	2 ⁺ ,3 ⁺	2001.49 5	0 ⁺ , (5 ⁺)	2350.81 5	(1 ⁺),4 ⁺
1133.77 4	0 ⁺ ,5 ⁺	2076.29 6	(1 ⁺),4 ⁺	2365.96 5	5 ⁺ @
1229.25 4	4 ⁺	2083.86 5	2 ⁻ ,3 ⁻	2401.4 2	2 ⁻ ,3 ⁻
1557.65 4	2 ⁺ ,3 ⁺	2242.49 4	2 ⁺ ,3 ⁺	2439.10 7	2 ⁺ ,3 ⁺ ,4 ⁺
1562.25 4	2 ⁺ ,3 ⁺	2278.11 9	0 ⁺ ,5 ⁺	2484.66 20	1 ⁻ ,4 ⁻
1706.39 5	0 ⁺	2282.94 5	1 ⁺ ,2 ⁺ ,3 ⁺ ,4 ⁺	≈ 9585 [‡]	

[†] Only levels fed by primary γ 's given.

[‡] Corresponds to 24-keV capture states.

[#] Suggested from average resonance capture method.

@ In disagreement with adopted value. Population of level not compatible with adopted $J^\pi=(4)^+$.