

$^{106}\text{Pd}(t,p)$ 1977An01

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2008

E= 17 MeV. Q3D magnetic spectrometer. FWHM=10– 15 keV.

 ^{108}Pd Levels

ΔE : Uncertainties range from 2 keV for low-lying levels to 10 keV.

<u>E(level)</u>	<u>L@</u>	<u>S&</u>	<u>E(level)</u>	<u>L@</u>	<u>S&</u>	<u>E(level)</u>	<u>L@</u>	<u>S&</u>	<u>E(level)</u>	<u>L@</u>	<u>S&</u>
0	0	2.37	1989	(4)	0.016	2318	5	0.060	2540	4	0.133
434 [‡]	2	0.30	2015			2362	(2)	0.036	2578		
931 [‡]	2	0.044	2046 [‡]	3	0.263	2392	2	0.097	2637	4	0.112
1054 [#]	0	0.214	2141	(0)	0.050	2418			2691	(5)	0.056
1956	4	0.021	2214	2	0.102	2466	4	0.029	2726	2	0.107

[†] Uncertainties range from 2 keV for low-lying levels to 10 keV.

[‡] Energy assumed for calibration.

[#] Peak width and $\sigma(\theta)$ indicate no measurable population of the known $1048 J^\pi=4^+$ level.

[@] Based on angular distributions at ≤ 10 angles ($\theta=10-55$) compared with DWBA calc.

[&] $S=(d\sigma/d\Omega)(\text{exp})/n(d\sigma/d\Omega)(\text{DWBA})$ with $N=218$.