^{104}Pd(^{3}He,3nγ)   1977HaYN

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 108,2035 (2007)	30-Mar-2007

E(^{3}He)=24-46 MeV.

The excitation functions, $\gamma\gamma$ coincidences, and angular distributions have been studied but details are not given. A strong coincidence relation between 538-, 878-, 835-, and 658-keV γ rays is reported.

^{104}Cd Levels

E(level)	J$^{\pi}$[†]	E(level)	J$^{\pi}$[†]	E(level)	J$^{\pi}$[†]	E(level)
0.0	0$^+$	2108.7		2871		3261
658.3	2$^+$	2371.3	6$^+$	2910	8$^+$	3912
1492.9	4$^+$	2435.4		3212		

[†] From $\gamma\gamma(\theta)$ (1977HaYN) and Adopted Levels.

γ(^{104}Cd)

E$_\gamma$	I$_\gamma$	E$_i$(level)	J$_i^{\pi}$	E$_f$	J$_f^{\pi}$
499.2		2871		2371.3	6$^+$
538.4	≈25	2910	8$^+$	2371.3	6$^+$
615.8	≈20	2108.7		1492.9	4$^+$
658.3	≈100	658.3	2$^+$	0.0	0$^+$
834.6	≈100	1492.9	4$^+$	658.3	2$^+$
841		3212		2371.3	6$^+$
878.4	≈60	2371.3	6$^+$	1492.9	4$^+$
890	≈20	3261		2371.3	6$^+$
942.5	≈25	2435.4		1492.9	4$^+$
1002	≈20	3912		2910	8$^+$

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Legend

<u>Level Scheme</u>

Intensities: Type not specified

I$_\gamma <$ 2%$\times$I$_\gamma^{max}$
I$_\gamma <$ 10%$\times$I$_\gamma^{max}$
I$_\gamma >$ 10%$\times$I$_\gamma^{max}$

$^{104}_{48}$Cd$_{56}$