

^{101}In β^+ decay 1988Hu07

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2006

Parent: ^{101}In : $E=0.0$; $T_{1/2}=16\text{ s }3$; $Q(\beta^+)=7340\text{ SY}$; $\%\beta^+$ decay=100.0

Activity: $^{92}\text{Mo}(^{20}\text{Ne},\text{xpxn})$ $E=240\text{ MeV}$. On-line mass separator.

Measured: γ , $\gamma\gamma$, $\gamma(t)$.

No evidence for the K x rays of Cd were present in their experiment obscured by the strong Ag, Pd x rays. The assignment to In in their mass separation is based on the short $T_{1/2}$ and correlations with in-beam work.

 ^{101}Cd Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	$(5/2^+)$	1.36 min 5	$T_{1/2}$: from Adopted Levels.
252.3 2	$(7/2^+)$		E(level): could be the first level.

 $\gamma(^{101}\text{Cd})$

E_γ	I_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
252.3 2	100	252.3	$(7/2^+)$	0.0	$(5/2^+)$
^x 420.7 2	54				
^x 750.3 2	61				
^x 891.4 2	48				

^x γ ray not placed in level scheme.

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Intensities: Relative I_γ

