

Ni( $^{112}\text{Sn}, X\gamma$ ) 1997Gr02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni		NDS 107, 2423 (2006)	1-Jan-2006

E=63 MeV/A. Measured  $E_\gamma$ ,  $T_{1/2}$ , using a magnetic spectrometer and a TOF.

 $^{94}\text{Pd}$  Levels

E(level)	$J^\pi$	$T_{1/2}$
0 <sup>†</sup>	0 <sup>+</sup>	9.0 <sup>‡</sup> s 5
813.80 <sup>†</sup> 10	2 <sup>+</sup>	
1719.11 <sup>†</sup> 14	(4 <sup>+</sup> )	
2378.21 <sup>†</sup> 17	(6 <sup>+</sup> )	
2702.21 <sup>†</sup> 20	(8 <sup>+</sup> )	
3794.12 <sup>†</sup> 22	(10 <sup>+</sup> )	
4787.6 <sup>†</sup> 3	(12 <sup>+</sup> )	
4883.2 <sup>†</sup> 4	(14 <sup>+</sup> )	0.6 $\mu\text{s}$ 1

<sup>†</sup> Band(A): yrast band.

<sup>‡</sup> From Adopted Levels.

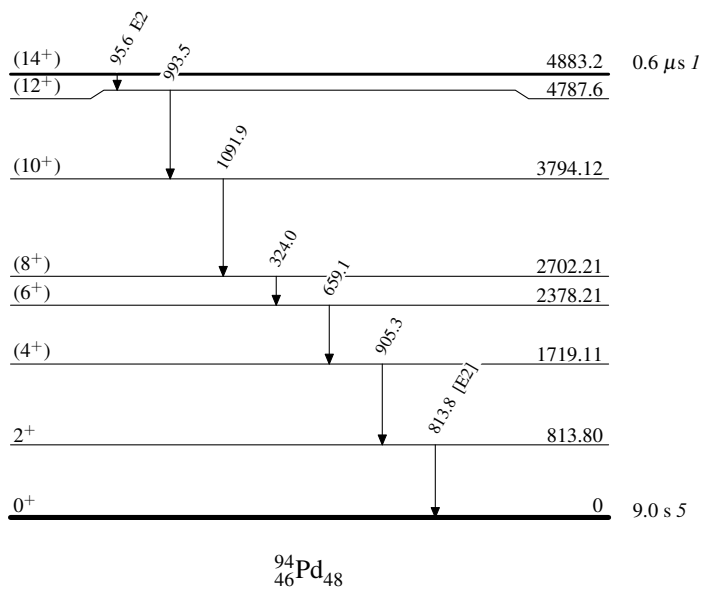
 $\gamma(^{94}\text{Pd})$ 

$E_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$	Mult.
95.6 <sup>†</sup> 2	4883.2	(14 <sup>+</sup> )	4787.6	(12 <sup>+</sup> )	E2 <sup>#</sup>
324.0 1	2702.21	(8 <sup>+</sup> )	2378.21	(6 <sup>+</sup> )	
659.1 <sup>†</sup> 1	2378.21	(6 <sup>+</sup> )	1719.11	(4 <sup>+</sup> )	
813.8 <sup>†</sup> 1	813.80	2 <sup>+</sup>	0	0 <sup>+</sup>	[E2]
905.3 1	1719.11	(4 <sup>+</sup> )	813.80	2 <sup>+</sup>	
993.5 2	4787.6	(12 <sup>+</sup> )	3794.12	(10 <sup>+</sup> )	
1091.9 <sup>†</sup> 1	3794.12	(10 <sup>+</sup> )	2702.21	(8 <sup>+</sup> )	

<sup>†</sup>  $\gamma$  ray not clearly observed by 1997Gr02.

<sup>‡</sup> From  $^{94}\text{Ag}$   $\varepsilon$  decay (2004PI01).

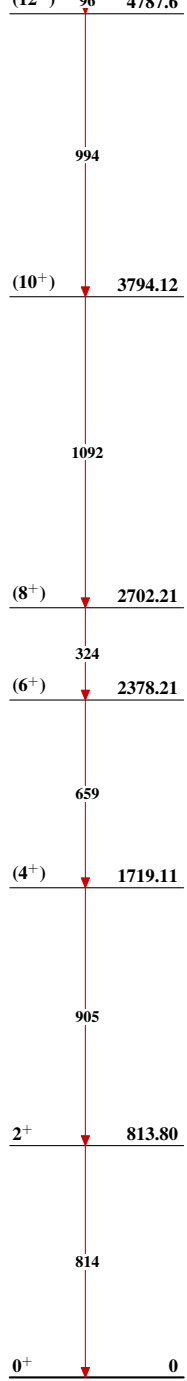
<sup>#</sup> From adopted gammas.

Ni( ${}^{112}\text{Sn}, X\gamma$ ) 1997Gr02Level Scheme

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Band(A): Yrast band

(14 <sup>+</sup> )	96	4883.2
(12 <sup>+</sup> )	96	4787.6

 ${}^{94}_{46}\text{Pd}_{48}$