

$^{112}\text{Sn}(\alpha,2n\gamma)$ 1969Lu05,1970Wa13,1993Ko31

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 515 (2012)	1-Jan-2012

E=28-43 MeV (1969Lu05).

E=20-32 MeV (1970Wa13). Also E=53-62 MeV for $^{114}\text{Sn}(\alpha,4n\gamma)$.

E=33 MeV (1973Wy01).

E=30-50 MeV (1993Ko31).

Measured: γ , $\gamma\gamma$ (1969Lu05,1970Wa13), ce (1973Wy01), $I\gamma(E)$ (1993Ko31).

 ^{114}Te Levels

E(level)	$J^{\pi\dagger}$	$T_{1/2}$
0	0^+	15.2 min 7
709.0 4	2^+	
1484.2 6	(4^+)	
2217.7 7	(6^+)	
3089.3 8	(8^+)	
3882	(10^+)	

\dagger From $\gamma\gamma(\theta)$ (1969Lu05).

 $\gamma(^{114}\text{Te})$

E_{γ}^{\dagger}	I_{γ}^{\ddagger}	$E_i(\text{level})$	J_i^{π}	E_f	J_f^{π}	Mult.	Comments
^x 280							E_{γ} : from ce(K) (1973Wy01).
^x 332							E_{γ} : from ce(K) (1973Wy01).
709.0 4	100	709.0	2^+	0	0^+	E2	
733.5 4	71 6	2217.7	(6^+)	1484.2	(4^+)	(E2)	
775.2 4	96 8	1484.2	(4^+)	709.0	2^+	(E2)	
792.6	29 3	3882	(10^+)	3089.3	(8^+)		
871.6 4	43 4	3089.3	(8^+)	2217.7	(6^+)	(E2)	E_{γ} : this placement agrees with 1986Lo14 but not with 1985JaZZ.

\dagger From 1969Lu05.

\ddagger From 1993Ko31.




^x γ ray not placed in level scheme.

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Level Scheme

Intensities: Type not specified

Legend

-  $I_\gamma < 2\% \times I_\gamma^{max}$
-  $I_\gamma < 10\% \times I_\gamma^{max}$
-  $I_\gamma > 10\% \times I_\gamma^{max}$

