

$^{94}\text{Mo}(^{13}\text{C},^{12}\text{C}),(^{13}\text{C},^{12}\text{C}\gamma)$ 1974Bo17

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, G. Mukherjee, A. A. Sonzogni		NDS 111, 2555 (2010)	30-Jun-2009

E=48.5-54.5 MeV. Measured $\sigma(\theta)$, (^{12}C) γ -coin; Si,Ge(Li).

 ^{95}Mo Levels

E(level)	$J^{\pi\dagger}$
0.0	5/2 ⁺
204	3/2 ⁺
765	7/2 ⁺
786	1/2 ⁺
821	3/2 ⁺
948	9/2 ⁺
1039	1/2 ⁺
1074	7/2 ⁺

[†] From comparison of measured $\sigma(\theta)$ with calculated DWBA $\sigma(\theta)$ using spectroscopic factors from the (d,p) data of 1969Mo24.

 $\gamma(^{95}\text{Mo})$

E_{γ}	$E_i(\text{level})$	J_i^{π}	E_f	J_f^{π}	Comments
204	204	3/2 ⁺	0.0	5/2 ⁺	I $_{\gamma}$: yield almost completely accounted for by feeding from the 582 and 835 γ 's.
582	786	1/2 ⁺	204	3/2 ⁺	
765	765	7/2 ⁺	0.0	5/2 ⁺	
786	786	1/2 ⁺	0.0	5/2 ⁺	
835	1039	1/2 ⁺	204	3/2 ⁺	
948	948	9/2 ⁺	0.0	5/2 ⁺	

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Legend

Level Scheme

● Coincidence

