

$^{95}\text{Mo}(\gamma,\gamma)$: res fluorescence **1977Sc20,1967La14**

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

Both experiments used gaseous Tc_2O_7 sources containing 20h and 61d ^{95}Tc and measured the effective cross sections, $\sigma(\text{res})$, and $\gamma(\theta)$. All information is from [1977Sc20](#), except as noted.

 ^{95}Mo Levels

E(level)	J^π [†]	$T_{1/2}$ [‡]	$\sigma(\text{res})(\text{mb})$	Comments
0.0	$5/2^+$			
765.8	$7/2^+$	4.4 ps 7	34.9 17	J^π : 7/2 from $\gamma(\theta)$ (1967La14). $T_{1/2}, \sigma(\text{res})(\text{mb})$: other: 2.0 ps +11-7 and 80 mb 20 (1967La14).
786.2	$1/2^+$		<5	
820.6	$3/2^+$	0.62 ps 14	59.8 80	
947.8	$9/2^+$		27.3 40	
1039.3	$1/2^+$		19 13	
1074.0	$7/2^+$		29.3 35	$\sigma(\text{res})(\text{mb})$: other: <80 mb (1967La14).

[†] From the Adopted Levels. Contributing arguments from this data set are given in the comments.

[‡] From $\sigma(\text{res})$.

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

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult.	δ	Comments
765.8	765.8	$7/2^+$	0.0	$5/2^+$	D+Q	-0.14 9	δ : from γ -ray angular distribution; other: $-0.35 < \delta < -0.10$.
786.2	786.2	$1/2^+$	0.0	$5/2^+$			
820.6	820.6	$3/2^+$	0.0	$5/2^+$			
947.8	947.8	$9/2^+$	0.0	$5/2^+$			
1039.3	1039.3	$1/2^+$	0.0	$5/2^+$			
1074.0	1074.0	$7/2^+$	0.0	$5/2^+$			

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Level Scheme

