

¹⁰⁰Mo($\gamma, n\gamma'$) [1978Ba18](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 145, 25 (2017)	1-Jul-2017

Bremsstrahlung beam, E(max)=20 MeV and 40 MeV.
Measured E γ , I γ , I(K x ray). Deduced α (K)exp.

⁹⁹Mo Levels

E(level)	J π [†]	T _{1/2} [†]
0	1/2 ⁺	
97.80 10	5/2 ⁺	15.5 μ s 2
235.50 23	7/2 ⁺	
684.7 3	(9/2) ⁻	0.76 μ s 6

[†] Adopted values.

γ (⁹⁹Mo)

E γ	I γ	E _i (level)	J π _i	E _f	J π _f	Mult.	α [†]	Comments
97.8 1		97.80	5/2 ⁺	0	1/2 ⁺	E2	1.307	α (K)=1.055 16; α (L)=0.209 3; α (M)=0.0379 6 α (N)=0.00533 8; α (O)=0.0001502 22
137.7 2	100	235.50	7/2 ⁺	97.80	5/2 ⁺			
449.2 2	97 8	684.7	(9/2) ⁻	235.50	7/2 ⁺			

[†] [Additional information 1.](#)

$^{100}\text{Mo}(\gamma, n\gamma')$ **1978Ba18**

Level Scheme

Intensities: Relative I_γ

Legend

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

