

$^{131}\text{Xe}(\gamma,\gamma)$ res **1970La19**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, I. Mitropolsky, A. Rodionov		NDS 107, 2715 (2006)	17-Jul-2006

1970La19: ^{131}I source; measured $\sigma(v)$, $\sigma(\theta)$, deduced $T_{1/2}$, δ . Centrifuge technique.

1970Be46: ^{131}I source; measured γ res., $\gamma(\theta)$, deduced $T_{1/2}$, δ . Nuclear resonance fluorescence technique.

Others: **1961Ha08**, **1961Ha35**.

$T_{1/2}$ from **1970La19**.

 ^{131}Xe Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	$3/2^+$	stable	
80	$1/2^+$	0.504 ns 17	$T_{1/2}$: Mossbauer spectroscopy (1964Pe06).
364	$5/2^+$	51 ps 4	
637	$7/2^+$	4.2 ps 4	$T_{1/2}$: 1.24 ps 11 (1970Be46).
723	$5/2^+$	0.53 ps 9	$T_{1/2}$: ≥ 1 ps (1970Be46).