

$^{94}\text{Mo}(^6\text{Li},3n\gamma)$ **1983Ka31**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 111, 525 (2010)	19-Nov-2009

 ^{97}Rh Levels

1983Ka31: $^{94}\text{Mo}(^6\text{Li},3n\gamma)$, $E(^6\text{Li})=22-34$ MeV; measured $E\gamma$, $I\gamma$, $\gamma\gamma$, $\gamma(\theta)$, excit; Ge(Li) detectors (resolution=2.1 keV at 1330 keV).

E(level)	J^π [†]	Comments
0.0	$9/2^+$	
857.6	$(13/2^+)$	
1463.0	$(15/2^+)$	$J^\pi: J \leq 13/2$ from 605.4γ excit.
1553.1	$(17/2^+)$	
1962.2	$(19/2^+)$	$J^\pi: J > 13/2$ from 409.1γ excit.
2224.8	$(17/2^-)$	$J^\pi: J < 13/2$ from 761.8γ excit; contradicts adopted J assignment.
2617.2	$(21/2^+)$	
3054.8	$(21/2^-)$	
3258.2	$(23/2^+)$	
3550.2	$(25/2^+)$	

[†] From Adopted Levels.

 $\gamma(^{97}\text{Rh})$

E_γ	I_γ	E_i (level)	J_i^π	E_f	J_f^π	Mult. [†]	Comments
292.0		3550.2	$(25/2^+)$	3258.2	$(23/2^+)$	D	Mult.: $\Delta J=1$, D; M1 In 1983Ka31 is not adopted here.
409.1	33.1 10	1962.2	$(19/2^+)$	1553.1	$(17/2^+)$		
605.4	36.6 15	1463.0	$(15/2^+)$	857.6	$(13/2^+)$	(M1+E2)	
655.0		2617.2	$(21/2^+)$	1962.2	$(19/2^+)$		
695.5	50.4 15	1553.1	$(17/2^+)$	857.6	$(13/2^+)$	(E2)	
761.8	22.8 15	2224.8	$(17/2^-)$	1463.0	$(15/2^+)$		$E_\gamma, I_\gamma: \gamma$ is a doublet, total intensity given.
830.0		3054.8	$(21/2^-)$	2224.8	$(17/2^-)$		E_γ : transition is a doublet.
857.6	100	857.6	$(13/2^+)$	0.0	$9/2^+$	(E2)	
933.0		3550.2	$(25/2^+)$	2617.2	$(21/2^+)$		
1296.0		3258.2	$(23/2^+)$	1962.2	$(19/2^+)$		

[†] Based on $\gamma(\theta)$, $\Delta J=2$, Q and $\Delta J=1$, D+Q transitions are assumed to be $\Delta J=2$, (E2) and $\Delta J=1$, (M1+E2), respectively.

