$$^{100}\text{Mo(pol t,}\alpha) \quad \textbf{1983Fl06}$$

History

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

E=17 MeV; FWHM=24 keV.

^{99}Nb Levels

E(level)	$J^{\pi\dagger}$	$T_{1/2}$	$C^2S^\ddagger$	Comments
0	$9/2^+$		2.6	
366 *5*	$1/2^-$	2.5 min *2*	1.0	$T_{1/2}$: From Adopted Levels.
469 *5*	$(5/2^+)$		2.9	
548 *8*	$3/2^-$		2.7	
631 *8*	$5/2^-$		3.4	
763 *8*	$3/2^+$		0.06	
817 *8*	$(5/2^+)$		0.5	
928 *10*				
983$^{\#}$ *10*				
1013 *12*				
1253 *12*	$3/2^-$		0.52	
1305 *12*				
1404 *12*	$(7/2^+)$		3.2	
1543 *12*				
1584 *12*				
1703 *15*				
1771$^{\#}$ *15*	$(3/2^-)$		0.39	
1831 *20*				
1921 *20*				
1982 *20*				

$\dagger$ From DWBA analysis of angular distribution and analyzing power.
$\ddagger$ C^2S defined as $d\sigma/d\Omega = (\alpha(N)^2S/(2J+1))d\sigma/d\Omega(DWBA)$ with N=11.6.
$\#$ Probable doublet since group is too broad for a single state.