^{102}Ru(d,d′)   1977Re02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne	NDS 110, 1745 (2009)	31-Dec-2008

E=12 MeV.

Measured: σ(E(d),θ), θ=30°−150° (6 angles), magnetic spectrograph, FWHM=7$^-$ to 12-keV; DWBA.

^{102}Ru Levels

Deformation parameter β given experiment.

E(level)	$J^{\pi\dagger}$	L	Comments
0	0$^+$	0	
476 5	2$^+$	2	B(E2)=0.52 (deduced from β=0.22).
1104			E(level): probably includes Adopted Levels at 1103 and 1106 keV.
2044 5	3$^-$	3	B(E3)=0.065 (deduced from β=0.14).
2302 5			
2365 5	(3$^-$)	(3)	L: although the size of the cross section seems to favor L=3, L=4 (J^π=4$^+$) cannot be excluded.
2384 5			
2460 5			
2567 5			
2650 5			
2700 5			

† From Adopted Levels.