^{96}**Mo(p,p′)**   **1987Fr07**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni	NDS 109,2501 (2008)	1-Apr-2008

E=12.52 MeV; FWHM=40-60 keV (1975Bu04); E=15 MeV; FWHM=50 keV (1971Lu07); E=25.6 MeV; FWHM=20 keV (1987Fr07,1986Kn02) see 1973Ke01 for inelastic proton scattering through ^{97}Tc isobaric analog resonances.

$\underline{^{96}\text{Mo Levels}}$

E(level)[†]	L[‡]	Comments
0	0	σ(mb)=1412.
778 _5_	2	σ(mb)=19.9.
1148 _5_	0	σ(mb)=0.21.
1498 _5_	2	σ(mb)=1.19.
1627 _5_	4	σ(mb)=(1.49).
1870 _5_	4	σ(mb)=1.74.
2094 _5_		
2234 _5_	3	σ(mb)=16.6.
2432 _5_	2	σ(mb)=0.44.
2481 _5_	4	σ(mb)=1.53.
2542 _5_		
2625 _5_	4	σ(mb)=0.92.
2734 _5_	(5)	σ(mb)=1.51.
2807 _5_	(3)	σ(mb)=1.11.
2875 _5_	(4,6)	σ(mb)=0.27.
2981 _5_	(1,2)	σ(mb)=0.49.
3020 _5_	4	σ(mb)=2.28.
3088 _5_	(4,5)	σ(mb)=0.24.
3140 _5_		
3182 _5_	3	σ(mb)=1.22.
3235 _5_		
3287 _5_	(2,4)	σ(mb)=0.3.
3342 _5_	(3,4)	σ(mb)=0.22.
3430 _5_	4	σ(mb)=0.89.
3474 _5_		
3549 _5_	3	σ(mb)=0.29.
3597 _5_	2	σ(mb)=0.25.
3694 _5_	5	σ(mb)=0.52.
3736 _5_	4,(3)	σ(mb)=0.48.
3800 _5_		
3866 _5_	(4)	σ(mb)=0.39.
3965 _5_	(4)	σ(mb)=0.44.
4038 _5_	(3)	σ(mb)=0.34.
4098 _5_	(4,3)	σ(mb)=0.5.
4215 _5_	(3)	σ(mb)=0.57.
4280 _5_		
4469 _5_		
4603 _5_		

[†] Measured: σ(E,θ); DWBA and coupled-channels analysis (1987Fr07).
[‡] From DWBA and coupled-channel analysis (1987Fr07). Notice probable misprint for L (and J^π) for levels 3088 and 3287: J^π=(4$^+$,5$^-$) (not (4$^-$,5$^-$)) and (2$^+$,4$^+$) (not (2$^-$,4$^+$)).