^{98}Mo(^{6}Li,^{8}B), ^{96}Zr(^{6}Li,^{6}Li′) 1980Ti02,1992Ho12,1993Ho02

History

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

1980Ti02: E(^{6}Li)=90 MeV, FWHM=200 keV; measured σ(E,θ). DWBA analysis.
1993Ho02,1992Ho12: E(^{6}Li)=70 MeV, FWHM≈225 keV; measured elastic and inelastic scattering. Deformed optical model potential (DOMP) and folding model analysis.
M_n=neutron multipole transition matrix element.
M_p=proton multipole transition matrix element.

^{96}Zr Levels

E(level)	J^{π}‡	S#	Comments
0	0^+	(1.0)	$\sigma(8°)$=6.5 μb/sr.
1590	0^+	1.1	
1751†	2^+		M_n/M_p: 1.50 *15* (assuming B(E2)=0.055) (1993Ho02,1992Ho12).
1897†	3^-		M_n/M_p: 1.10 *10* (using B(E3)=0.12 which gives the largest value of M_n/M_p) (1993Ho02,1992Ho12).

† Adopted values of levels observed in inelastic scattering of ^{6}Li.
‡ Adopted values.
# σ(1590)/σ(g.s.) at θ=8°.