^{40}Ca(e,e′p) 2001Di23,2001Kr01,1976Na20

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 149, 1 (2018)	1-Jan-2018

2005Sa37, 2001Di23, 2001Di24, 2001Vo09, 1994Vo05: E=57, 78, 129, 183.5 MeV. Measured $\sigma(\theta)$. Parameters of GDR In ^{40}Ca.
2001Kr01,1989Kr05: measured spectral function. Deduced spectroscopic factors.
1976Na20, 1974Na15: E=700-750 MeV. Measured $\sigma(\theta)$ of protons, PWIA analysis.
1976Mo17: E=497 MeV. Measured σ. DWIA analysis.
1988Ta24: E=129 MeV; measured $\sigma(\theta)$ of electrons and protons. Proton resolution allowed separation of P_0 channel from others.
1988Re01: E=52, 121, 146 MeV/c. Measured $\sigma(\theta)$ of electrons and protons, deduced structure functions.
1985Mo23: E=360-642 MeV; longitudinal to tranverse σ ratio.
1973Tz01: E=497 MeV. Measured σ.
1973Ca14: E=710 MeV. Measured $\sigma(\theta)$ of protons.
1971Bu26: E=501 MeV. Measured σ.
1966Am03: E=580-750 MeV.
Additional information 1.

^{39}K Levels

E(level)	Γ[@]	S[#]	Comments
0.0		2.58 *19*	
2523[†]	8 MeV *1*	1.03 *7*	E(level): separation energy=10.9×10^3 *7* (1976Na20), 11.2×10^3 *3* (1976Mo17). 2s orbital in 1976Mo17, but $1d_{3/2}$ orbital in 1976Na20.
2814[†]			
3019[†]			
6100[‡]	13 MeV *1*		E(level): separation energy=14.4×10^3 *3* (1976Na20), 14.9×10^3 *8* (1976Mo17). 1d orbital in 1976Mo17, but $2s_{1/2}$ orbital (1976Na20).
10700[‡]	10 MeV *1*		E(level): separation energy=19.0×10^3 *11* (1976Na20). $1d_{5/2}$ orbital (1976Na20).
26.7×10^3[‡]	21 MeV *3*		E(level): separation energy=35×10^3 *1* (1976Na20), 41×10^3 (1976Mo17). 1p orbital (1976Na20,1976Mo17).
50.3×10^3[‡]	34 MeV *10*		E(level): separation energy=59×10^3 *3* (1976Na20). $1s_{1/2}$ orbital (1976Na20).

[†] From 2001Di23.
[‡] From 1976Na20, deduced from separation energy differences, with separation=8300 corresponding to ground state. S(p)(^{40}Ca)=8328.16 *2* (2017Wa10).
[#] From 2001Kr01.
[@] From 1976Na20.