
 $^1\text{H}(^{34}\text{Ar},\text{P}')$ [2001Kh17](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Ninel Nica, Balraj Singh		NDS 113, 1563 (2012)	28-May-2012

Beam= ^{34}Ar , target= ^1H in the form of CH_2 .

[2001Kh17](#) (also [2003La13](#),[2001BI17](#)): beam of 47 MeV/nucleon ^{34}Ar produced in the fragmentation of ^{36}Ar beam at 95 MeV/nucleon with ^{12}C target at GANIL facility. Measured scattered proton spectra and angular distributions using MUST detector system and SPEG spectrometer. CCBA and DWBA analysis of angular distribution data.

 ^{34}Ar Levels

E(level)	J^π	L	Comments
0	0^+	0	$M_n/M_p=0.99$ 17(N/Z) (experimental), 1.35 0.28(N/Z) (2001Kh17) (phenomenological analysis of experimental data).
1.9×10^3	2^+	2	$\beta_2=0.27$ 2 (2001Kh17) $B(E2)=0.024$ 4 (2001Kh17).
4.5×10^3	3^-	3	$\beta_3=0.39$ 3 (2001Kh17)