

$^{40}\text{Ar}(^{16}\text{O}, ^{17}\text{O})$ 1985Sh06

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

1985Sh06: E=100 MeV ^{16}O beam from ORNL HHIRF. Measured $\sigma(E(^{17}\text{O},\theta), \theta=5^\circ-25^\circ)$ with a magnetic spectrograph (FWHM=100 keV). Deduced levels, relative yields.

 ^{39}Ar Levels

E(level) [†]	J π [#]	relative yield [‡]	Comments
0	7/2 ⁻	10	
1270	3/2 ⁻	≤5	
1520		30	
2090		15	
2950		5	E(level): estimated by evaluators for a peak seen in the spectrum in Figure 10 1985Sh06.

[†] Rounded-off values from Adopted Levels.

[‡] At 13°; estimated from Figure 10 of 1985Sh06.

[#] From Adopted Levels.