^{39}K(n,n′) 1965To04

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

1965To04: E=1.49, 2.38, 3.00, 3.76 MeV neutrons were produced via T(p,n) reactions with proton beams from the AWRE 6-MV Van de graaff. Target was natural potassium (93.2% in ^{39}K). Scattered neutrons were detected using the time-of-flight spectrometer. Measured $\sigma(\theta)$. Deduced levels.

All data are from 1965To04.

Others: 1966Bi15, 1961Li04, 1955To32.

^{39}K Levels

E(level)	σ(mb)[†]
0	800
2500 *30*	104 *5*
2810 *30*	113 *6*
3020 *30*	76 *8*

[†] At E(n)=3.76 MeV.