
 $^{28}\text{Si}(^{19}\text{F},^{16}\text{O})$ [1980Ku04](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 184, 29 (2022)	24-Jun-2022

[1980Ku04](#),[1977Ku04](#): E=60 MeV from University of Minnesota Tandem Van de Graaff accelerator. Silicon oxide target enriched in ^{28}Si . Enge split-pole magnetic spectrograph with position sensitive detectors in the focal plane (FWHM=110 keV) and an array of 6 solid state detectors for $\theta_{\text{lab}} > 30^\circ$. DWBA analysis with spin-orbit interaction included. Measured $\sigma(\theta)$.

 ^{31}P Levels

E(level)	J^π [†]	L
0	$1/2^+$	0
1270	$3/2^+$	2
2230	$5/2^+$	2

[†] From DWBA analysis (with spin-orbit interaction) of measured $\sigma(\theta)$ with j-dependence ([1980Ku04](#)).