^{60}Ni(^{19}F,^{16}O) 1980Ku04

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 196,17 (2024)	30-Sep-2023

1980Ku04: E=75 MeV ^{19}F beam was produced from the MP-Tandem Van de Graaff accelerator at the University of Minnesota. Target was about metallic foil of enriched ^{60}Ni. Reaction products were momentum-analyzed with an Enge split-pole spectrograph (FWHM≈110 keV). Measured $\sigma(\theta)$. Deduced levels, L-transfers from DWBA analysis.

^{63}Cu Levels

E(level)	J^{π}[†]	L[†]
0.0	$3/2^-$	1
670	$1/2^-$	1
960	$5/2^-$	3
1330	$7/2^-$	3
2060		
2080		
2090		
2210		
2660		

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