

$^{54}\text{Fe}(^6\text{Li,d})$ 1977Fu03

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Caroline D. Nesaraja, Scott D. Geraedts and Balraj Singh		NDS 111,897 (2010)	12-Jan-2010

1977Fu03 (also 1975Fu02): E=28 MeV, FWHM $\approx$ 60 keV; measured $\sigma(\theta)$, DWBA analysis.

1977St05: E=34 MeV, FWHM=50-60 keV; measured $\sigma(\theta)$, DWBA analysis.

1979Ha23: comparison with ($^{16}\text{O},^{12}\text{C}$).

 ^{58}Ni Levels

E(level) [#]	L [‡]	S [†]	Comments
0.0	0	1.00	
1454	2	0.32	
2459	4	0.13	
2775	(2)		
2902			S: weak, L is not 1.
2942			S: very weak.
3038			S: weak.
3263			S: weak.
3530 [@]	0	0.72	
3620			S: very weak.
3890 [@]	(2)		
4110 [@]	2	0.12	
4470 [@]	3	0.24	
$\approx$ 5130 [@]			
$\approx$ 5380 [@]			
5408			S: weak.
5590 [@]	(5,6)		S: S=0.21, 0.56.
$\approx$ 5890 [@]			
6020 [@]	1	0.78	
$\approx$ 6200 [@]			
6440 [@]			
6760 [@]	(3)	0.078	
6860 [@]	(3)	0.19	
$\approx$ 7230 [@]			
$\approx$ 7540 [@]			
$\approx$ 7850 [@]			
$\approx$ 7940 [@]			

[†] In relative units assuming S=1.00 for the ground state along with comments on weakly excited levels (1977Fu03).

[‡] From 1977Fu03.

[#] Rounded-off values from 'Adopted Levels', except where noted otherwise.

[@] From 1977Fu03. $\Delta E=20$ keV below 3 or 4 MeV, and >20 keV at higher energies.