

⁵⁴Fe(¹²C,⁸Be) 1976Ma12			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Caroline D. Nesaraja, Scott D. Geraedts and Balraj Singh	NDS 111,897 (2010)	12-Jan-2010

E=56 MeV, FWHM≈250 keV.
Measured: σ(E,θ), DWBA analysis.

⁵⁸Ni Levels			
E(level)	Jπ [†]	L	S [‡]
0.0	0 ⁺	0	0.085
1450	2 ⁺	2	0.015
2450	4 ⁺	4	0.0066
4600			
6800	3 ⁻		
7700	1 ⁺		
8900	4 ⁺		

[†] Adopted values.
[‡] Defined by σ(exp)/σ(theory)=((2J_f+1)/(2J_i+1))S(¹²C)S with S(¹²C)=0.542.