

⁵⁷Fe(p,³He) [1972Pe13](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huo Junde	NDS 109, 787 (2008)	30-Apr-2007

J^π(⁵⁷Fe)=1/2⁻.
E=27 MeV, conventional ΔE-E solid state counters and particle identification; FWHM=90 keV; measured σ(θ); DWBA analyses;

⁵⁵Mn Levels

E(level)	J ^π [†]	L	Comments
0.0	5/2 ⁻	2+4	
126	7/2 ⁻	2+4	
983 30	9/2 ⁻	4+6	
1290 30	1/2 ⁻ , 11/2 ⁻	0+4+6	E(level): probable doublet.
1530 30	3/2 ⁻	0+2	
1880 30	(5/2, 7/2) ⁻	2+4	
2380 40	(1/2, 3/2) ⁻	0+2	
3060 30	(5/2, 7/2) ⁻	2+4	

[†] Configuration=(ν f_{7/2})² (πckup).