^{58}Fe(t,p)   **1986Wa03**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 114, 1849 (2013)	31-Dec-2012

1986Wa03: E=15 MeV, FWHM=26 keV, σ(E(p), θ), DWBA analysis.
1978No05: E=17 MeV, FWHM≈15 keV, σ(E(p), θ), DWBA analysis.
Other: 1971Ca19.

^{60}Fe Levels

See 1986Wa03 for configurations used in DWBA calculations.

E(level)[†]	L[‡]	ε[#]	E(level)[†]	L[‡]	ε[#]	E(level)[†]	L[‡]	ε[#]
0.0	0	1.05	3502 4	4	0.17	4503 10	4	0.04
824 4	2	0.13	3562 5	(3)	1.94	4650 10	2	0.14
1974 6	0	0.08	3635 4	2	0.33	4755 9	(3)	5.25
2112 8	4	0.05	3698 5	0	0.20	4958 9	4	0.11
2294 6	2	0.16	3867 5	3	7.53	5029 10	4	0.09
2348 9	0	0.16	3929 10	2	0.15	5103 10	2	0.35
2664 4	2	0.59	4053 8	3	9.18	5218 16	3	13.04
2745 7	2	0.24	4176 8	2	0.15	5434 17		
3027 3	2	0.25	4280 8	3	1.19	5596 18		
3062 4	4	0.29	4352 8	5	2.04			
3293 4	3	8.77	4440 10	3	7.51			

[†] For levels below 3 MeV, 1978No05 values are about 10 keV higher.
[‡] From comparison of $\sigma(\theta)$ with DWBA calculations.
[#] The enhancement factor is defined as $(d\sigma/d\Omega)(exp)/(d\sigma/d\Omega)(DWBA)/230$.