^{58}Fe(α,t) 1967Ar05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia	NDS 151, 1 (2018)	1-Apr-2018

Eα=26.7 MeV. Measured $\sigma(\theta)$, θ(c.m)=16°−45°, ΔE-E semi telescope with FWHM 100-120 keV. Enriched targets (91.7%) (1967Ar05).

^{59}Co Levels

E(level)	J^{π}‡	L†	C^2S†
0.0	$7/2^-$	3	0.19
1100	$(3/2)^-$	1	0.08
1290	$(3/2)^-$	1	0.26
1430	$(1/2)^-$	1	0.29

† L values and spectroscopic factors are from comparisons with DWBA calculations using a DWBA normalization factor of 38.4. Owing to poor fits to the data, large uncertainties are associated with the extraction of C^2S.

‡ Based on forward angle J-dependence of $\sigma(\theta)$ (1967Ar05).