

$^{57}\text{Fe}(\text{d},\alpha)$ 1972Pe13

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

$J^\pi(^{57}\text{Fe})=1/2^-$.

E=16 MeV, overall energy resolution: 60 keV, measured $\sigma(\theta)$; DWBA analysis.

See also [1964Bj01](#).

 ^{55}Mn Levels

<u>E(level)</u>	<u>J^π^\dagger</u>	<u>L</u>
0.0	$5/2^-$	2
126	$7/2^-$	2+4
983 30	$9/2^-$	4
1290 30	$(1/2^-), 11/2^-$	0+2+4+6
1530 30	$3/2^-$	0+2
1880 30	$(5/2, 7/2)^-$	2
2750 20		2+4
3060 30		2

† Based on $\sigma(\alpha(\theta))$ measurements and comparison with DWBA predictions for L transfer.