

$^{54}\text{Fe}(\text{d,t})$ 1980En02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huo Junde	NDS 110,2689 (2009)	31-Mar-2007

E=18 MeV, FWHM=20 keV, $\theta=15^\circ-50^\circ$, measured $\sigma(E,\theta)$, a 53 CM long gas-filled detector at focal plane of an Enge-split-pole spectrograph, DWBA analysis.

 ^{53}Fe Levels

E(level)	J^π [‡]	C^2S^\dagger	E(level)	J^π [‡]	C^2S^\dagger	E(level)	J^π [‡]
0	$7/2^-$	3.6 5	1896			3040	$19/2^-$
741	$3/2^-$	0.14 3	2043	$3/2^-$	0.09 3	3321	$7/2^-$
774	$1/2^-$		2340	$11/2^-$		3393	$3/2^+$
1328	$9/2^-$		2829			3463	$15/2^-$
1424	$5/2^-$	0.07 2	2922	$(1/2^+)$		3567	$7/2^-, 5/2^-$
1696	$7/2^-$		2967	$1/2^+$		4256	$7/2^-$

[†] From DWBA analysis.

[‡] From adopted values.