

$^{54}\text{Fe}(t,p)$  1966Co15,1971Ca19

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huo Junde, Huo Su, Yang Dong		NDS 112, 1513 (2011)	29-Oct-2009

1966Co15: E=12 MeV, 20-keV FWHM, measured  $p(\theta)$ , PWBA analysis.

1971Ca19: E=13 MeV, measured  $\sigma(\text{g.s.})$  only.

All data from 1966Co15.

 $^{56}\text{Fe}$  Levels

E(level)	$L^\dagger$	E(level)	$L^\dagger$	E(level)	$L^\dagger$	E(level)	$L^\dagger$
0	0	4730	0	6060	2	7060	1
850	2	4820		6080	(3)	7130	0
2090	4	4880	2	6110	0	7170	(2,3)
2660	2	5050	(1,3)	6130		7220	0
2950	0	5150	(6,7)	6250		7290	0
2960	2	5190	1	6270		7380	(2,3)
3120	(5,6)	5260		6330		7420	
3370	2	5290	0	6370		7480	
3440	2	5400	0	6430		7580	2,3
3600	0	5480	0	6570	0	7630	3
3830	2	5510	2	6620		7670	
4050		5580	2	6660	3	7720	
4100	4	5610	0	6700	0	7780	2,3
4300	0	5700		6780	3	7840	
4400	2	5810		6800	0	7870	2
4460		5860		6870		8050	
4510	3	5930	2	6940	(1,2)	8120	2
4610		5970	2,3	6990	$\ddagger$	8240	

$^\dagger$  Based on  $p(\theta)$  PWBA fits.

$\ddagger$  2,3 at 25°; 0 at 0°.