
 $^{56}\text{Fe}(\pi,\pi')$ **1988Oa01,1987Oa01**

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

Includes: $(\pi^+,\pi^+),(\pi^+,\pi^{+'}),(\pi^-, \pi^-),(\pi^-, \pi^{-'})$.

1991Ra22: E=180 MeV, measured β_2 values to the 2^+ state of 850 keV: 0.15(2) for (π^+,π^+) ; 0.18(3) for (π^-, π^-) .

1988Oa01: E=180 MeV, measured $d\sigma/d\Omega$, DWIA analysis.

1987Oa01: E=180 MeV, FWHM=150 keV, measured $\sigma(\theta)$, DWIA analysis.

1978DyZW: $^{56}\text{Fe}(\pi^+,\pi^+), (\pi^+,\pi^{+'})$, E=50 MeV; measured $\sigma(E(\pi^{+'}),\theta)$, DWBA analyses.

All data are from **1987Oa01**, except as noted.

 ^{56}Fe Levels

E(B),L(B) From **1988Oa01**.

E(level)	L	E(level)	L	E(level)	L	E(level)	L
0.0	0	2960 [†]	0+2	4120	4	4900 [†]	2+4
850	2	3120 [†]	1+4	4400 [†]	2+4	5120	5
2090	4	3380	2	4510	3	5610	0
2660	2	3600 [†]	0+2	4700 [†]	2+4		

[†] Unresolved state.