

$^{54}\text{Fe}(\alpha,2\text{p})$ 1985Ja02

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

E=57 MeV, resolution 200 keV; measured $\sigma(E(2\text{p}),\theta)$, $\theta=15^\circ-42^\circ$; DWBA analyses.

 ^{56}Fe Levels

E(level)	J^π [†]	Comments
0	0 ⁺	
6030 50	7 ⁻	Configuration=((ν f _{5/2})(ν g _{9/2}))7 ⁻
9280 50	8 ⁺	Configuration=((ν g _{9/2})(ν g _{9/2}))8 ⁺
9900 50	6 ⁺	Configuration=((ν g _{9/2})(ν 2d _{5/2}))6 ⁺

[†] Based on $\sigma(\theta)$ DWBA calculation and configuration of excited two-neutron state.