^{54}Fe(^{16}O,^{14}C),(^{12}C,^{10}Be)　　**1975HoYZ,1988Kr11,1972Po10**

History

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

1975HoYZ: E(^{16}O)=104 MeV, FWHM: 120-180 keV; measured E and σ(E(^{14}C),θ). E(^{12}C)=78 MeV, FWHM of 90-150 keV; measured E and σ(E(^{10}Be),θ). DWBA analysis.

1988Kr11: E(^{12}C)=480 MeV, FWHM: 200 keV; measured σ, DWBA calculations. See also 1988Me10.

1972Po10: E(^{16}O)=80 MeV; measured Eγ and σ(E(^{14}C),θ).

All data are from 1975HoYZ, except as noted.

^{56}Ni Levels

E(level)	L[†]	Comments
0	0	
≈2700	2	
3920[#]	4	
5320[#]	6	
≈6020		
6570[#]	(4)	IAS of 4^+ g.s. in ^{56}Co.
≈7400	(6)	
≈7650	(4)	
8100[#]	(4)	
≈8700	(6)	
8900[#]	(4)	
≈9100	(4)	
≈9700	(4)	
≈9900	(4,6)	
≈10550	(4)	
≈11200	(4)	
12.0×10^3[‡]	2	
15.3×10^3[‡]	2	

[†] Based on $\sigma(\theta)$ fits with DWBA.
[‡] From 1972Po10.
[#] From 1988Kr11.