^{58}Ni(d,^{6}Li) 1984Um04,1980Ya02,1973Ma46

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde	NDS 121, 1 (2014)	20-Jun-2014

1984Um04, 1980Ya02: E=54.25 MeV. Two ΔE-E counter telescopes, measured $\sigma(\theta)$, finite-range DWBA analysis.
1973Ma46: E=28 MeV; 1974Ce02: E=27.25 MeV. Measured $\sigma(\theta)$, DWBA analysis.

^{54}Fe Levels

E(level)[†]	L[‡]	S[#]	Comments
0	0	0.11	S: α-cluster spectroscopic factor S(α)=0.067 (1980Ya02), S(a)=0.012 (1984Um04).
1408	2	0.07	S: α-cluster spectroscopic factor S(α)=0.034 (1980Ya02). S(a)=0.0053 (1984Um04).
2539	4	<0.085	S: α-cluster spectroscopic factor S(α)=0.033 (1980Ya02). S(a)=0.0011 (1984Um04).
2564	0	<0.057	
2950	6	<0.12	
2960	2	<0.055	S: α-cluster spectroscopic factor S(α)=0.040 (1980Ya02). S(a)=0.0053 (1984Um04).
3163	2		E(level): from angular distribution (1980Ya02). S: S(α)=0.0040 (1984Um04).
3836	4		S: α-cluster spectroscopic factor S(α)=0.010 (1980Ya02). S(α)=0.0032 (1984Um04).
4786	3		S: α-cluster spectroscopic factor S(α)=0.070 (1980Ya02). S(α)=0.020 (1984Um04).

[†] From 1980Ya02.
[‡] From angular distributions based on finite-range DWBA analysis. see 1984Um04.
[#] From 1973Ma46.