

$^{54}\text{Fe}(\alpha,\alpha'\gamma)$ **1972ShZN**

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

1972ShZN: E=11.5 MeV. Ge(Li), DSAM.

^{54}Fe Levels

E(level)	$J^\pi^\dagger$	$T_{1/2}$
0	0^+	
1407	2^+	2.3 ps +25-16
2538	4^+	
2959	2^+	1.6 ps +21-7
3345	3^+	0.3 ps +7-2

[†] From Adopted Levels.

$\gamma(^{54}\text{Fe})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
805	3345	3^+	2538	4^+
1130	2538	4^+	1407	2^+
1407	1407	2^+	0	0^+
1550	2959	2^+	1407	2^+
1936	3345	3^+	1407	2^+

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Level Scheme

