

$^{58}\text{Fe}(\text{}^3\text{He,t})$ 1971Be29,1970Dz01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja and B. Singh		ENSDF	31-Oct-2015

E=24.6 MeV, FWHM=12 keV (1970Dz01); FWHM=8 keV (1971Be29).
 Measured: $\sigma(E,\theta)$.

 ^{58}Co Levels

<u>E(level)[†]</u>	<u>Jπ[#]</u>	<u>L</u>	<u>S\ddagger</u>
(0)			
5739 8	0 ⁺	0	90 18
5759 8	0 ⁺	0	98 20

[†] From 1971Be29.

[‡] $\sigma(\theta)$ at 18° in $\mu\text{b/sr}$ (1970Dz01).

[#] From assumption that both levels are IAS of $^{58}\text{Fe}(\text{g.s.})$. (1970Dz01) states that $\sigma(\theta)$ for these levels is typical for L=0 and differs from that for known $J^\pi=1^+$ with a large component L=2.