

$^{58}\text{Ni}(n,\alpha\gamma)$ 1982Sh28

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huo Junde	NDS 109, 787 (2008)	30-Apr-2007

E=14.2 MeV, measured differential cross sections of the discrete γ rays at 55° ; Ge(Li) detector; metal target (purity>99.5%).

 ^{55}Fe Levels

E(level)
0.0
411.5 15
931.4 15
1316.8 15

 $\gamma(^{55}\text{Fe})$




E_γ	I_γ^\dagger	$E_i(\text{level})$	E_f
411.5 15	0.3 2	411.5	0.0
931.4 15	2.5 4	931.4	0.0
1316.8 15	1.8 3	1316.8	0.0

$^\dagger d\sigma/d\Omega$ (55°), mb/sr.

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Intensities: Relative I_γ

Legend

	$I_\gamma < 2\% \times I_\gamma^{\text{max}}$
	$I_\gamma < 10\% \times I_\gamma^{\text{max}}$
	$I_\gamma > 10\% \times I_\gamma^{\text{max}}$

