

$^{28}\text{Si}(^{28}\text{Si},\text{pn}\gamma)$ 1979Me03

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

E=60-90 MeV, Ge(Li) detectors at $\theta=+90^\circ$ and $\theta=-90^\circ$; measured γ angular distribution at 77 MeV.

Coincidence results not given; E_γ 's agree with previous values (see Adopted Levels and γ 's) and fit level scheme for ^{54}Co up to and including 2278-keV state.

 ^{54}Co Levels

E(level)	J^π [†]
0.0	0 ⁺
199.4	7 ⁺
1446.5	2 ⁺
1888.9	5 ⁺
2278.3	(3 ⁺)

[†] From Adopted Levels.

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

E_γ	I_γ [†]	$E_i(\text{level})$	J_i^π	E_f	J_f^π	
831.9	5	3.3	2278.3	(3 ⁺)	1446.5	2 ⁺
1690.2	5	3.2	1888.9	5 ⁺	199	7 ⁺

[†] In arbitrary units; uncertainties 10-30%.

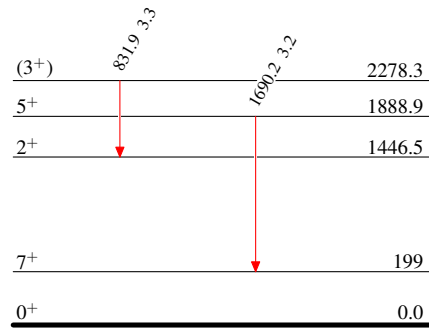
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Level Scheme

Intensities: Relative I_γ

Legend

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

 $^{54}_{27}\text{Co}_{27}$