

$^{51}\text{V}(^3\text{He},2n\gamma)$ 1976St19

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde		NDS 128, 185 (2015)	10-Jul-2015

Target $J^\pi=7/2^-$.

E=6-26 MeV, measured G-ray excitation function, G-spectra, $\gamma\gamma$ coin with Ge(Li) detectors.

All data are from 1976St19, except as noted.

Other: 1984Ha10.

 ^{52}Mn Levels

E(level)	J^π^\dagger
0.0	6^+
731.5 5	4^+
869.90 19	7^+
2285.98 23	8^+
2907.7 3	9^+

† From Adopted Levels.

 $\gamma(^{52}\text{Mn})$

E_γ	I_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
621.5 10	18 3	2907.7	9^+	2285.98	8^+
731.5 5	29 5	731.5	4^+	0.0	6^+
869.5 5	100	869.90	7^+	0.0	6^+
1416.3 10	22 4	2285.98	8^+	869.90	7^+
2038.5 10	30 5	2907.7	9^+	869.90	7^+
2285.8 10	<4	2285.98	8^+	0.0	6^+

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Level Scheme

Intensities: Relative I_γ

Legend

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

