

⁵²Cr(t,n γ) 1969Se01

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

E=3.2 MeV, NaI, Ge(Li): FWHM $\approx$ 5 keV at 122 γ of ⁵⁷Co.

⁵⁴Mn Levels

<u>E(level)[†]</u>	<u>Jπ[‡]</u>
0	3 ⁺
55 2	2 ⁺
156 2	4 ⁺
368 2	5 ⁺
405 2	3 ⁺

[†] $\Delta E=2$ keV estimated by evaluator.
[‡] From Adopted Levels.

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

<u>Eγ</u>	<u>Iγ</u>	<u>E$_i$(level)</u>	<u>J$^\pi_i$</u>	<u>E$_f$</u>	<u>J$^\pi_f$</u>
55 2		55	2 ⁺	0	3 ⁺
156 2	100	156	4 ⁺	0	3 ⁺
212 2	26	368	5 ⁺	156	4 ⁺
250 2	35	405	3 ⁺	156	4 ⁺
405 2		405	3 ⁺	0	3 ⁺

$^{52}\text{Cr}(t,n\gamma)$ **1969Se01**

Level Scheme

Intensities: Relative I_γ

Legend

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

