

$^{50}\text{Cr}(^3\text{He,d}\gamma)$ 1977Ma22

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Wang Jimin and Huang Xiaolong		NDS 144, 1 (2017)	1-Mar-2016

E=7.98 MeV; measured $E\gamma$, $I\gamma$, $\gamma(\theta)$, and DSA.

 ^{51}Mn Levels

E(level) [†]	J^π [‡]	$T_{1/2}$ [#]	Comments
0.0	$5/2^-$		
237.3 [@] 2	$7/2^-$ [@]		
1824.7 3	$3/2^-$	40 fs +10-7	
1958.8 3	$1/2^-$ [@]	0.49 ps +12-8	J^π : authors' $J=1/2^-, (3/2^-)$.
2140.3 3	$3/2^-$	36 fs +9-6	

[†] From $E\gamma$ and level scheme. Value from 1977Ma22, except as noted.

[‡] Based on measured $T_{1/2}$, $E\gamma$, $I\gamma$, mult, and Γ_γ ; except as noted.

[#] From DSA method.

[@] From Adopted Levels.

 $\gamma(^{51}\text{Mn})$

$E_i(\text{level})$	J_i^π	E_γ	I_γ [†]	E_f	J_f^π	Mult. [‡]	Comments
1824.7	$3/2^-$	1587.8 3	4 3	237.3	$7/2^-$	E2	
		1825	96 3	0.0	$5/2^-$	M1	
1958.8	$1/2^-$	1958.8 3	100	0.0	$5/2^-$	E2+M3 [#]	Mult.: author's mult=E2,M1.
2140.3	$3/2^-$	2140.3 3	100	0.0	$5/2^-$	M1+E2	

[†] % photon branching from each level.

[‡] From comparison of experimental and theoretical transition strengths in ^{51}Mn .

[#] From adopted γ radiations.

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Level Scheme

Intensities: % photon branching from each level

