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

History							
Туре	Author	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.

## <sup>51</sup>Mn Levels

$E(level)^{\dagger}$ J <sup>7</sup>	$\pi \ddagger T_{1/2}^{\#}$	Comments
0.0 5/2	2-	
237.3 <sup>@</sup> 2 7/2	2-@	
1824.7 <i>3</i> 3/2		
1958.8 3 1/2	$2^{-}$ 0.49 ps +12-8	$J^{\pi}$ : authors' J=1/2 <sup>-</sup> ,(3/2 <sup>-</sup> ).
2140.3 3 3/2	2 <sup>-</sup> 36 fs +9-6	

 $^{\dagger}$  From Ey and level scheme. Value from 1977Ma22, except as noted.

<sup>±</sup> Based on measured  $T_{1/2}$ ,  $E\gamma$ ,  $I\gamma$ , mult, and  $\Gamma_{\gamma}$ ; except as noted.

<sup>#</sup> From DSA method.<sup>@</sup> From Adopted Levels.

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

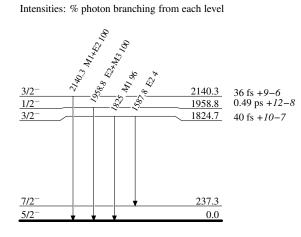
E <sub>i</sub> (level)	$\mathbf{J}_i^{\pi}$	Eγ	$I_{\gamma}^{\dagger}$	$\mathbf{E}_f  \mathbf{J}_f^{\pi}$	Mult. <sup>‡</sup>	Comments
1824.7	3/2-	1587.8 <i>3</i> 1825	4 <i>3</i> 96 <i>3</i>	237.3 7/2 <sup>-</sup> 0.0 5/2 <sup>-</sup>		
1958.8 2140.3	1/2 <sup>-</sup> 3/2 <sup>-</sup>	1958.8 <i>3</i> 2140.3 <i>3</i>	100 100	,	E2+M3 <sup>#</sup> M1+E2	Mult.: author's mult=E2,M1.

<sup>†</sup> % photon branching from each level.
<sup>‡</sup> From comparison of experimental and theoretical transition strengths in <sup>51</sup>Mn.

<sup>#</sup> From adopted  $\gamma$  radiations.

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## Level Scheme



 $^{51}_{25}Mn_{26}$