

$^{52}\text{Cr}(\gamma, \gamma')$ 1998En05

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huo Junde	NDS 110,2689 (2009)	31-Mar-2007

Electron beam of 7 MeV, natural target(83.8% ^{52}Cr), HPGe detectors surrounded by a BGO suppression shield, measured $E\gamma$, $I\gamma$ and $\gamma\gamma(\theta)$.

 ^{53}Cr Levels

E(level) [†]	J^π [‡]	Comments
1974.7	$(5/2)^-$	
2320.9	$(3/2)^-$	
3180.8	$(3/2)^-$	B(M1) \uparrow =0.06 1
3262.8	$(5/2)$	B(M1) \uparrow =0.08 2; B(E1) \uparrow =0.00000098 20; B(E2) \uparrow =0.00067 14 $J^\pi=5/2^+$ for B(E1), $J^\pi=5/2^-$ for B(M1) and B(E2).
3617.0	$(1/2)^-$	B(M1) \uparrow =0.10 1; B(E2) \uparrow =0.00038 5

[†] $\Delta E < 1$ keV.

[‡] Based on values of reduced transition strengths(UP).