

$^{54}\text{Cr}(\alpha, d)$  1994Fi01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huo Junde, Huo Su, Yang Dong		NDS 112, 1513 (2011)	29-Oct-2009

E=55 MeV, measured  $\sigma(E(d), \theta)$ ,  $\Delta E$ -E silicon detector telescope,  $15^\circ$ – $25^\circ$  in  $2.5^\circ$  steps,  $30^\circ$ – $70^\circ$  in  $5^\circ$  steps, DWBA analyses.

 $^{56}\text{Mn}$  Levels

E(level)	$J^\pi$ <sup>†</sup>	Comments
340	5 <sup>+</sup>	Configuration=(f7/2,g9/2)5 <sup>+</sup> .
1180		
3060	8 <sup>-</sup>	Configuration=(f7/2,p3/2)8 <sup>-</sup> .
3230	6 <sup>-</sup>	Configuration=(p3/2,g9/2)6 <sup>-</sup> .
4150		
4330	6 <sup>-</sup>	Configuration=(g9/2,p3/2)6 <sup>-</sup> .
4830		
5220		
5970		
6960		
7450	9 <sup>+</sup>	Configuration=(g9/2) <sup>+2</sup> 9 <sup>+</sup> .
7700		

<sup>†</sup> Based on  $\sigma(\theta)$  fits with DWBA.