

$^{54}\text{Cr}(\text{pol d,d}'), (\text{pol d,d}'\gamma)$  1980CI06

Type	Author	History	Citation	Literature Cutoff Date
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## Additional information 1.

1980Bu02: E=12 MeV. Measured  $\sigma(\theta)$ , and analyzing power, T20( $\theta$ ), T21( $\theta$ ), T22( $\theta$ ); deduced optical-model parameters.

1980CI06: E=20 MeV. Measured  $\sigma(\theta)$ , vector-analyzing power vs  $\theta$ . Q3D spectrograph. See also 1982CI01.

All data are from 1980CI06, except as noted.

 $^{54}\text{Cr}$  Levels

E(level)	$J^\pi$ <sup>†</sup>	Comments
0.0	0 <sup>+</sup>	
830	2 <sup>+</sup>	Q=-0.26 Uncertainty of Q is (20-40)%.
2620	2 <sup>+</sup>	Q=+0.26 10 Uncertainty of Q is (20-40)%.

<sup>†</sup> From Adopted Levels.

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

$E_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$
830	830	2 <sup>+</sup>	0.0	0 <sup>+</sup>
1790	2620	2 <sup>+</sup>	830	2 <sup>+</sup>
2620	2620	2 <sup>+</sup>	0.0	0 <sup>+</sup>

 $^{54}\text{Cr}(\text{pol d,d}'), (\text{pol d,d}'\gamma)$  1980CI06Level Scheme