

$^{54}\text{Cr}(\text{pol d,d'}), (\text{pol d,d'}\gamma) \quad 1980\text{Cl06}$

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde	NDS 121, 1 (2014)		20-Jun-2014

Additional information 1.

1980Bu02: E=12 MeV. Measured $\sigma(\theta)$, and analyzing power, T20(θ), T21(θ), T22(θ); deduced optical-model parameters.1980Cl06: E=20 MeV. Measured $\sigma(\theta)$, vector-analyzing power vs θ . Q3D spectrograph. See also 1982Cl01.

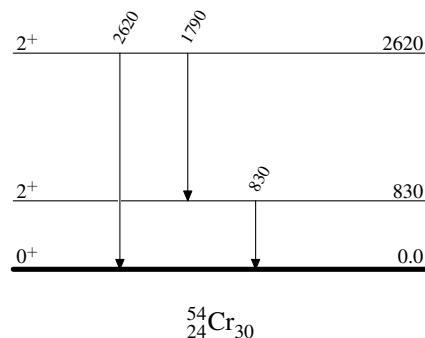
All data are from 1980Cl06, except as noted.

 ^{54}Cr Levels

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

[†] From Adopted Levels. $\gamma(^{54}\text{Cr})$

E $_\gamma$	E $_f$ (level)	J $^\pi_i$	E $_f$	J $^\pi_f$
830	830	2^+	0.0	0^+
1790	2620	2^+	830	2^+
2620	2620	2^+	0.0	0^+

 $^{54}\text{Cr}(\text{pol d,d'}), (\text{pol d,d'}\gamma) \quad 1980\text{Cl06}$ Level Scheme $^{54}_{24}\text{Cr}_{30}$