

$^{50}\text{Cr}(^6\text{Li,d})$ 1977Fu03

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

E=28-34 MeV, Magnetic spectrometer, spark counter. Measured $\sigma(\text{ED},\theta)$, DWBA.

 ^{54}Fe Levels

For J^π from single nucleon stripping transfer model but with the α particle transferred instead of the single nucleon.

E(level) [†]	L	Comments
0.0	0	
1409 20	2	
2550 20	0	Strongly excited, two f7/2 neutron holes.
2940 20	2	
3150 20		
3290 20		
3820 20	4,(5)	
4030	(5,6)	
4260	(4+0)	
4290	(0+4)	
4920	4	
5120	2	
5250		
5510	(2)	
5930		
6050	2	
6130		
7120	6	
7970	4,(3)	
8440		

[†] $\Delta E=20$ keV below 4 MeV, increases at higher energies.