

${}^{50}\text{V}(\text{d},\text{d}')$ 1968Ha31

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen and Balraj Singh		NDS 157, 1 (2019)	15-Apr-2019

Target $J^\pi=6^+$.

[1968Ha31](#): E(d)=7.5 MeV beam from the MIT ONR electrostatic generator. Enriched target. Measured $\sigma(\theta=22.5^\circ-157.5^\circ, 7.5^\circ$ steps) with a multi-angle magnetic spectrograph (FWHM=7-9 keV). Deduced levels, L-transfer from DWBA analysis.

Other:

[2004Ko64](#): E=171 MeV from the superconducting cyclotron AGOR. Measured $\sigma(\theta)$. Deduced optical model parameters.

 ${}^{50}\text{V}$ Levels

E(level)	$d\sigma/d\Omega$ (mb/sr) [‡]	E(level)	L [†]	$d\sigma/d\Omega$ (mb/sr) [‡]	E(level)	$d\sigma/d\Omega$ (mb/sr) [‡]
0		912 4	2	0.41	2341 6	0.05
229 3	0.60	1725 4		0.24	2419? 10	
321 3	0.10	1760 4		0.05	2481 6	
358 10		2112 6				
839 4	0.08	2311 6		0.07		

[†] From DWBA analysis of angular distribution.

[‡] At an angle where value is maximum.