

$^{51}\text{V}(\text{d,d}'), (\text{d,pn})$ [1968Ha31,1961Co07](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Wang Jimin and Huang Xiaolong		NDS 144, 1 (2017)	1-Mar-2016

[1961Co07](#): E=15 MeV, FWHM \approx 80 keV, measured d spectrum.

[1968Ha31](#): E=7.5 MeV, FWHM=7-8 keV, measured $\sigma(\text{E}(\text{d}),\theta)$.

For discussion of P_n cross section in (d,pn) reaction, see [1984Ya01](#) and [1983Ba37](#) (E=56 MeV).

For post-form DWBA calculations of measured $\sigma(\theta \text{ n},\theta \text{ p})$, see [1989Sh06](#) (E=56 MeV) and [1986Ev03](#) (E=13.6,26,56 MeV).

 ^{51}V Levels

All data from [1968Ha31](#), except as noted.

E(level)	J^π	L	β	Comments
0	$7/2^-$			
321	3			
930	4			
1190 [†]				E(level): not observed in other reactions (evaluator's notes).
1609	4	2	0.24	L: from DWBA analysis of measured $\sigma(\theta)$.
1813	4			
2410	6			
2700	6			
3070 [†]				
3400 [†]				
3520 [†]				
3910 [†]				

[†] From [1961Co07](#) (ΔE not given).