

$^{51}\text{V}(\text{p},\alpha)$ 1967Br13

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 179, 1 (2022)	30-Nov-2021

$J^\pi(^{51}\text{V g.s.})=7/2^-$.

1967Br13: E=12 MeV proton beam was produced from the Aldermaston tandem electrostatic generator. Target was mono-isotopic ^{51}V . Reaction products were momentum-analyzed with a multi-gap spectrograph. Measured $\sigma(\theta=15^\circ$ to $165^\circ)$. Deduced levels. Compared with statistical model.

Others: 1962Sh29, 1961Ba41, 1960Br08.

 ^{48}Ti Levels

E(level) [†]	$\sigma(\text{rel})$ [‡]	Comments
0.0	116	
983	460	
2298	448	
2424	360	
3004	95	
3229	740	$\sigma(\text{rel})$: for 3229+3244.
3244		
3342	900	$\sigma(\text{rel})$: for 3342+3363+3377.
3363		
3377		
3520	360	
3631	180	
3708	90	
3749	105	
3797	360	
3868	210	

[†] As listed in Table 3 of 1967Br13.

[‡] Relative cross sections from 1967Br13.