

$^{50}\text{V}(\text{p},\text{p}')$ 1969Bu03

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

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

1969Bu03: E(p)=7.5 MeV beam from MIT-ONR electrostatic generator. Measured $\sigma(\theta=22.5^\circ-165^\circ)$ with a multi-angle magnetic spectrograph (FWHM=8 keV). Deduced levels.

1964Bj01: E=3-4.3 MeV beam from an electrostatic generator at University of Copenhagen. Measured alpha spectrum with a magnetic spectrograph. Deduced levels.

 ^{50}V Levels

E(level) [†]	Comments
0	
228 5	E(level): other: 228 (1964Bj01).
321 5	E(level): other: 320 (1964Bj01).
356 5	E(level): other: 359 (1964Bj01).
390 5	
838 6	
912 4	E(level): other: 907 (1964Bj01).
1302 5	E(level): other: 1308 (1964Bj01).
1330 10	
1403 6	
1519 6	
1561 6	
1701 6	
1724 4	
1753 5	
1761 5	
1884 7	
1937 7	
1957 7	
2038 7	
2112 6	
2133 7	
2162 6	
2314 7	
2344 7	
2399 8	
2422 7	
2456 7	
2481 6	
2492 7	
2512 6	
2533 7	
2600 7	
2655 9	
2738 8	
2763 6	
2792 7	
2815 10	
2828 9	
2849 8	
2931 8	
2958 9	
2965 9	
2992 [‡] 9	

Continued on next page (footnotes at end of table)

 $^{50}\text{V}(\text{p,p}') \quad \text{1969Bu03 (continued)}$

 ^{50}V Levels (continued)

<u>E(level)[†]</u>	<u>E(level)[†]</u>	<u>E(level)[†]</u>	<u>E(level)[†]</u>
3011 8	3202 [‡] 8	3482 8	3730 5
3099 8	3274 8	3566 9	3749 5
3111 8	3297 [‡] 7	3671 5	
3142 8	3312 7	3700 5	
3169 8	3433 8	3722 5	

[†] From [1969Bu03](#) unless otherwise stated.

[‡] Doublet.