

$^{51}\text{V}(\text{d,p})$ 1965Ca09,1960En07,1960Da02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde		NDS 128, 185 (2015)	10-Jul-2015

Target $J^\pi=7/2^-$.

1965Ca09: E=10.1 MeV, magnetic spectrograph, 5° to 175° .

1960En07: E=7.5 MeV, multiple-gap spectrograph, 10° to 130° .

1960Da02: E=8.9 MeV, energy spectra of the proton recorded by photographic emulsions, 5° and 70° , magnetic spectrograph.

Others: 1964Bj01, 1958El42, 1953Sc56.

All data are from 1965Ca09, except as noted.

 ^{52}V Levels

E(level)	L@	(2J+1)S&	E(level)	L@	(2J+1)S&	E(level)	L@	(2J+1)S&
0.0	1	100	1792 12	1	14	3011 13	1	9
20 9	1	325	1843 12	3	14.5	3063 13	1	31
145 9	1	90	2097 12	1	34	3194 14	1	33
431 11	1	13	2143 13	3	77	3238 13	1+3	1.5+22
787 12	1	60	2166 13	1	22	3314 13	1	17
838 12	1	99	2321 12	1	21	3436 14	2	2.6
881 14			2347 [†]			3480 13	1	5
1277 18			2432 13	1	19	3509 13	2	6.5
1417 10	1	21	2473 13			3548 14		
1492 10	1+3	0.5+14.3	2541 12	1	19	3586 15	1	4.7
1557 [‡] 10	1	≈100	2563 [†]			3657 15	1	3
1580 [‡] 10	1	≈10	2781 12	1	7	3740 [#] 10	1	
1660 12			2823 [†]			3960 [#] 10	1	
1729 12	(0)	1.5	2865 13	1	15	4320 [#]		
1756 12	1+3	2.5+17.5	2913 11	1	1.7	4430 [#] 20	2	

[†] Level reported by 1960En07 only. Level energies given by 1960En07 are consistently 10-20 keV less than those of 1965Ca09 in this excitation region.

[‡] Not resolved at forward angles.

[#] Level reported by 1960Da02.

@ From DWBA analysis (1965Ca09).

& Relative (2J+1)S. See 1965Ca09 for details.