

$^{93}\text{Nb}(\text{d},\text{p})$     1965Sh03, 1969Mo24

Type	Author	Citation	Literature Cutoff Date
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 $^{94}\text{Nb}$  Levels $J^\pi(\text{target})=9/2^+$ .

**1965Sh03:** E=10.2 MeV to 12.2 MeV. Magnetic spectrometer, FWHM=12 keV to 13 keV.  $\theta=35^\circ$  to  $105^\circ$ . An extended analysis of peak shapes and angular distributions of this measurement was performed by [1968Ju01](#).

**1969Mo24:** E=12.0 MeV. Magnetic spectrograph, FWHM=7 keV to 9 keV  $\theta=8^\circ$  to  $55^\circ$ . Only the energy range up to 2320 keV was studied.

E(level) <sup>†</sup>	L <sup>‡</sup>	S' <sup>a</sup>	E(level) <sup>†</sup>	L <sup>‡</sup>	S' <sup>a</sup>	E(level) <sup>†</sup>	L <sup>‡</sup>	S' <sup>a</sup>
0.0	2	0.22	1390 <sup>#</sup>	2	0.023	2236 <sup>#</sup>	0+2	0.014+0.030
41 <i>I</i>	2	0.081	1405 <i>I</i>	4	0.15	2253 <sup>#</sup>	2	0.041
59 <i>I</i>	2	0.12	1428	&		2305 <i>I</i>	2	0.10
79 <i>I</i>	2	0.16	1496 5	1	0.0043	2320 <sup>#</sup>	0	0.015
114 <i>I</i>	0+2	0.048+0.17	1521	1&	0.047	2372 5		
314 2	2	0.020	1574 3	0	0.069	2441 <i>I</i>		
334 3	2	0.049	1627 2	0+(2)	0.035+0.047	2474 2		
631 4	2	0.059	1658 5	(0)	0.055	2542 3		
640 4	2	0.088	1696 2			2574 2		
793 2	2	0.009	1725 2			2623 5		
818 2			1783 4	2+4	0.032+0.12	2651 2		
932 <sup>#</sup>	2	0.025	1808 6	2	0.067	2675 4		
959 2	0	0.24	1826	2	0.060	2763 <i>I</i>		
963 <sup>#</sup>			1865 2	0	0.044	2813 5		
1006 3	0+2	0.036+0.053	1930 <sup>#</sup>	0+2	0.016+0.013	2845 3		
1062 2	0&	0.039	1969 <sup>#</sup>			2896 5		
1173 2	0+2	0.006+0.12	1995 <sup>#</sup>	0+2	0.010+0.007	3060 5		
1202 <sup>#</sup>	4	0.052	2044 <sup>#@</sup>	2	0.049	3105 6		
1232 3	2	0.100	2056 <sup>#@</sup>	2	0.089	3202 3		
1259	2	0.024	2071 <sup>#</sup>	0	0.026	3264 6		
1282 <i>I</i>	0&	0.11	2142 3			3337 5		
1325 2	0	0.13	2190 <i>I</i>					
1359 <sup>#</sup>	2	0.037	2214 <sup>#</sup>	2	0.039			

<sup>†</sup> Levels up to 1865 keV are from the [1968Ju01](#) analysis of the [1965Sh03](#) measurement. Levels higher than 1865 keV are from [1965Sh03](#). [1969Mo24](#) report level energies without uncertainties. These levels are included only if level was not observed by [1965Sh03](#). Note that the  $^{92,94,96}\text{Mo}(\text{d},\text{p})$  energies of [1969Mo24](#) have been increased by about 1% by [1970Di06](#) following recalibration of the magnetic spectrograph. The evaluators have applied the same correction to the  $^{93}\text{Nb}(\text{d},\text{p})$  data.

<sup>‡</sup> From DWBA ([1969Mo24](#)).

<sup>#</sup> From [1969Mo24](#).

<sup>@</sup> [1965Sh03](#) deduce E=2051 keV 2 for the unresolved doublet.

<sup>&</sup> L=2 deduced by [1968Ju01](#). Possibly a doublet.

<sup>a</sup> S' as defined by  $\sigma(\exp)=(2J+1)S' \times \sigma(\text{DWBA})$  ([1969Mo24](#)).