

$^{93}\text{Nb}(t,p)$ **2005Ra30**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, G. Mukherjee, A. A. Sonzogni		NDS 111, 2555 (2010)	30-Jun-2009

E(t)=12 MeV, 100% enriched target. Measured protons with a magnetic spectrograph at 12 angles from 5° to 87.5° in steps of 7.5°. The $\sigma(\theta)$ results were compared with DWBA calculations. Enriched target, FWHM \approx 15 keV.

 ^{95}Nb Levels

E(level)	J^π †	L	E(level)	J^π †	L	E(level)	J^π †	L
0	9/2 ⁺	0	1847 2	(5/2 to 13/2) ⁺	2	2817 6	(3/2 to 15/2) ⁻	3
260 5			1903 15	9/2 ⁺	0	2888 6	(5/2 to 13/2) ⁺	2
767 7	(5/2 to 13/2) ⁺	2	1958 9	9/2 ⁺	0	2947 6	9/2 ⁺	0
805 5	(5/2 to 13/2) ⁺	2	2018 16	9/2 ⁺	0	2993 5	(1/2 to 17/2) ⁺	4
877 7	(5/2 to 13/2) ⁺	2	2052 6	(3/2 to 15/2) ⁻	3	3045 7	(3/2 to 15/2) ⁻	3
1009 10			2100 9			3111 10	9/2 ⁺	0
1088 11	9/2 ⁺	0	2165 11	(3/2 to 15/2) ⁻	3	3149 3	9/2 ⁺	0
1149 11	(5/2 to 13/2) ⁺	2	2200 5	(5/2 ⁺ to 13/2) ⁺	2	3196 15	9/2 ⁺	0
1216 7	(7/2 to 11/2) ⁻	1	2275 14	(1/2 to 17/2) ⁺	4	3233 9	(1/2 to 17/2) ⁺	4
1268 7	9/2 ⁺	0	2305 14	(5/2 to 13/2) ⁺	2	3307 7	9/2 ⁺	0
1337 9	9/2 ⁺	0	2362 4	(5/2 to 13/2) ⁺	2	3358 6	9/2 ⁺	0
1394 9			2390 7	(5/2 to 13/2) ⁺	2	3408 8	(1/2 to 17/2) ⁺	4
1464 5			2435 6	(5/2 to 13/2) ⁺	2	3481 7	(1/2 to 17/2) ⁺	4
1518 8	(5/2 to 13/2) ⁺	2	2486 7	(3/2 to 15/2) ⁻	3	3545 3	(1/2 to 17/2) ⁺	4
1565 8	9/2 ⁺	0	2536 4	(5/2 to 13/2) ⁺	2	3585 8	(5/2 to 13/2) ⁺	2
1616 8	(1/2 to 17/2) ⁺	4	2586 2	(1/2 to 17/2) ⁺	4	3625 5	(1/2 to 17/2) ⁺	4
1658 8	9/2 ⁺	0	2637 4	9/2 ⁺	0	3669 9	(5/2 to 13/2) ⁺	2
1730 7	(5/2 to 13/2) ⁺	2	2706 2	(5/2 to 13/2) ⁺	2			
1767 4	(7/2 to 11/2) ⁻	1	2765 4	9/2 ⁺	0			

† From deduced l-transfer assuming $J^\pi(^{93}\text{Nb g.s.})=9/2^+$.