

$^{103}\text{Rh}(\text{d,p})$ [1995Li15](#),[1984AnZT](#),[1989LiZS](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 108,2035 (2007)	30-Mar-2007

$J^\pi(^{103}\text{Rh})=1/2^-$.

[1995Li14](#) E(d)=22 MeV. Q3D mag spect. $\Delta E/E=1.3\times 10^{-4}$, also preliminary data in [1994SuZY](#).

[1989LiZS](#) E(d)=22 MeV. Q3D mag spect. $\Delta E/E=1.3\times 10^{-4}$, thesis. Some have not been kept in the final publication ([1995Li14](#)).

[1984AnZT](#) E(d)=15 MeV. Energy resolution=25 keV.

 ^{104}Rh Levels

E(level) [†]	J^π	L [‡]	Comments
0	1 ⁺		
51.49 [†] 12	2		
185.6 4	4+2		L: 1984AnZT give L=0 for a level at 185, may be another level.
268.67 [†] 11	2		
384.94 [†] 20	2		
406.9 3	5		
426.21 [†] 11	2		
459.30 [†] 13	2		
486.19 10	5		E(level): E=490.8 (1984AnZT).
504.88 12	4		
514.36 12	2		
522.44 8	2		L: 1984AnZT give L=0.
555.51 [†] 10	4		
575.20 [†] 8	5		
592.40 9	2		
604.26 14	2		
615.56 20	4,5		L: 1984AnZT give L=2+4.
634.9 3	4		
649.54 [†] 10	2		E(level): 1984AnZT give E=652.1.
701.62 16	2		
730.78 [†] 9	2		E(level): 1984AnZT give E=733.78 and L=0+2.
748.72 [†] 23	2		E(level): 1984AnZT give E=750.1.
793.26 19	4		
804.28 18	2		
814.63 9	2		
836.87 16	2		
846.84 15	2		
864.5 3	0		
887.05 18	2		
896.00 [†] 18	2		
913.97 25	4		
924.44 20	4		
931.61 [†] 24	0,4		E(level): 1984AnZT give E=930.0 and L=0+2.
948.94 13	2		
982.47 12	2		
995.3 3	4,5		
1007.62 11	2		
1030.94 19	4		
1050.29 10	2		
1072.82 19	2,4		
1087.54 12	4		
1095.18 13	2		

Continued on next page (footnotes at end of table)

$^{103}\text{Rh}(\text{d,p})$ [1995Li15](#), [1984AnZT](#), [1989LiZS](#) (continued) ^{104}Rh Levels (continued)

E(level) [†]	L [‡]	Comments
1100.75 [†] 25	2	
1119.52 14	4,2	
1130.05 13	4	
1151.7 3	4,5	
1167.25 12	4	
1191.0 19	4	
1210.7 3	4	
1230.45 11	4	
1244.87 17	2	E(level): 1984AnZT give E=1244.6 and L=0+2.
1256.99 19	2	E(level): 1984AnZT give E=1259.8 and L=0+2.
1272.4 3	4	
1287.24 16	2	
1294.77 15	2	
1309.27 20	4	
1324.8 3	3	E(level): 1984AnZT give E=1323.8.
1337.9 3	2	
1350.94 14	2	
1363.44 [†] 18	2	E(level): 1984AnZT give E=1361.4.
1389.67 16	2	
1412.89 17	4,2	
1429.9 3	2	
1440.30 22	2	
1471.18 25	2	
1482.30 23	4	
1488.6 3	4	
1499.2 5	4,2	
1508.86 13	4	
1521.7 3	4,5	
1526.4 22	0	
1532.1 3	4	
1545.63 24	4	
1568.4 3	0,4	
1586.13 21	4	
1596.93 22	4	
1612.67 19	2	
1632.44 14	2	
1649.1 4	2	
1658.4 3	4	
1673.36 20	4	
1682.25 20	4	
1693.5 3	4	
1701.8 [†] 3	0,4	E(level): 1984AnZT give E=1698 and L=4.
1710.2 3	4	
1726.99 17	2	
1738.11 21	4	
1747.1 4	4	
1755.5 2	2	
1765.4 3	2	
1775.38 [†] 18	2	
1784.29 24	5	

[†] Also seen by [1984AnZT](#).[‡] From [1995Li15](#), unless otherwise noted.