

Table 17.11 from (1971AJ02): Resonances in  $^{16}\text{O}(n, n)^{16}\text{O}$  <sup>a</sup>

$E_n$ (keV)	$\Gamma_{\text{c.m.}}$ (keV)	$\frac{\gamma^2}{\hbar^2/\mu a^2}$ <sup>b</sup>	$J^\pi$	$E_x$ (MeV)	Refs.
442	45	0.06	$\frac{3}{2}^{\frac{3}{2}-}$	4.558	(1964ST25, 1970FO03)
1000	94	0.45	$\frac{3}{2}^{\frac{3}{2}+}$	5.084	(1964ST25)
1312 ± 3.5	41	0.02	$\frac{3}{2}^{\frac{3}{2}-}$	5.377	(1968DA1F, 1970FO03)
1651 ± 3	3.4	0.09	$\frac{7}{2}^{\frac{3}{2}-}$	5.696	(1968JO1F, 1970FO03)
1689 ± 3	< 1			5.731	(1968JO1F, 1970FO03)
1833 ± 3	6.6	0.009	$\frac{3}{2}^{\frac{3}{2}+}$	5.867	(1968JO1F, 1970FO03)
1906 ± 3	24.5	0.01	$\frac{1}{2}^{\frac{3}{2}-}$	5.935	(1970FO03)
2353 ± 8	135	0.02	$\frac{1}{2}^{\frac{3}{2}+}$	6.356	(1970FO03)
2888 ± 3	< 1			6.859	(1968JO1F, 1970FO03)
3006 ± 3	< 1			6.970	(1970FO03)
3212 ± 3	1.4	0.005	$\frac{5}{2}^{\frac{3}{2}-}$	7.164	(1968JO1F, 1970FO03)
3350	500	0.23	$\frac{3}{2}^{\frac{3}{2}+}$	7.294	(1967JO12)
3438 ± 3	0.5	0.0002	$\frac{5}{2}^{\frac{3}{2}+}$	7.376	(1970FO03)
3441 ± 3	1.1	0.003	$\frac{5}{2}^{\frac{3}{2}-}$	7.379	(1961FO07, 1970FO03)
(3600)	600		$(\frac{3}{2})$	(7.53)	(1961FO07)
3750	405		$\frac{3}{2}^{\frac{3}{2}-}$	7.670	(1967JO12)
3769	14		$\frac{7}{2}^{\frac{3}{2}-}$	7.688	(1967JO12)
3772	3		$\frac{3}{2}^{\frac{3}{2}+}$	7.690	(1967JO12)
4000 ± 50			$\frac{1}{2}^{\frac{3}{2}-}$	7.91	(1961FO07, 1967JO12) <sup>c</sup>
4200 ± 10	80		$\frac{3}{2}^{\frac{3}{2}+}$	8.093	(1960TS02, 1961FO07, 1967JO12)
4330 ± 10	70		$\frac{3}{2}^{\frac{3}{2}-}$	8.215	(1960TS02, 1961FO07, 1967JO12)
(4460)				(8.34)	(1960TS02, 1961FO07)
4540	≤ 10		$\frac{5}{2}^{\frac{3}{2}-}$	8.41	(1961FO07) <sup>c</sup>
4610	≤ 11		$\frac{5}{2}^{\frac{3}{2}+}$	8.48	(1961FO07) <sup>c</sup>
4650	≤ 13		$\frac{5}{2}^{\frac{3}{2}-}$	8.52	(1961FO07) <sup>c</sup>
4705 ± 10				8.568	(1960TS02)
4845 ± 10	55		$\frac{3}{2}^{\frac{3}{2}-}$	8.700	(1960TS02, 1961FO07)
5010 ± 10	< 20			8.855	(1960TS02)
5122 ± 4	28		$\frac{7}{2}^{\frac{3}{2}-}$	8.960	(1961FO07, 1969DA13)
5360	≤ 17		$\frac{5}{2}^{\frac{3}{2}+}$	9.18	(1961FO07) <sup>c</sup>

Table 17.11 from (1971AJ02): Resonances in  $^{16}\text{O}(n, n)^{16}\text{O}$  <sup>a</sup> (continued)

$E_n$ (keV)	$\Gamma_{\text{c.m.}}$ (keV)	$\frac{\gamma^2}{\hbar^2/\mu a^2}$ <sup>b</sup>	$J^\pi$	$E_x$ (MeV)	Refs.
5640	140		$\geq \frac{3}{2}^{\frac{3}{2}}$	9.45	(1961FO07) <sup>c</sup>
5914 ± 5	28		$\geq \frac{3}{2}^{\frac{3}{2}}$	9.705	(1961FO07, 1969DA13)
6010	28		$\geq \frac{3}{2}^{\frac{3}{2}}$	9.80	(1961FO07) <sup>c</sup>
6100	25		$\geq \frac{1}{2}^{\frac{1}{2}}$	9.88	(1961FO07) <sup>c</sup>
6395 ± 7	38		$\geq \frac{3}{2}^{\frac{3}{2}}$	10.157	(1961FO07, 1969DA13)
6807 ± 7	40		$\geq \frac{3}{2}^{\frac{3}{2}}$	10.545	(1961FO07, 1969DA13)
7200 ± 8	70		$\geq \frac{3}{2}^{\frac{3}{2}}$	10.914	(1961FO07, 1969DA13)
7830	190		$\geq \frac{3}{2}^{\frac{3}{2}}$	11.51	(1961FO07) <sup>c</sup>
8320	270		$\geq \frac{3}{2}^{\frac{3}{2}}$	11.97	(1961FO07) <sup>c</sup>
8740	130		$\geq \frac{1}{2}^{\frac{1}{2}}$	12.36	(1961FO07) <sup>c</sup>
9050	95		$\geq \frac{1}{2}^{\frac{1}{2}}$	12.65	(1961FO07) <sup>c</sup>
10130	400		$(\geq \frac{1}{2}^{\frac{1}{2}})$	13.67	(1961FO07) <sup>c</sup>
11140	340		$(\geq \frac{3}{2}^{\frac{3}{2}})$	14.62	(1961FO07) <sup>c</sup>
11540	180		$(\geq \frac{1}{2}^{\frac{1}{2}})$	14.99	(1961FO07) <sup>c</sup>
17300			$(\frac{1}{2}^+)$	20.4	(1970BO30)

<sup>a</sup> See also (1959AJ76).

<sup>b</sup> See discussion in (1970FO03).

<sup>c</sup> I am indebted to Dr. J.C. Davis for sending me revised energy values due to a recalibration of the analyzing magnet used by (1961FO07).