

Table 20.17 from (1972AJ02): Radiative decays in  $^{20}\text{Ne}$  <sup>a</sup>

$E_i$ (MeV)	$J_i^\pi; T$	$E_f$ (MeV)	Branch (%)	$\Gamma_\gamma$ (meV)	$ M ^2$ (W.u.)	Refs.
1.63	$2^+; 0$	0	100		$17.8 \pm 2.5$	(1971HA26)
4.25	$4^+; 0$	1.63	$\approx 100$		$21.9 \pm 2.1$	(1971HA26)
4.97 <sup>d</sup>	$2^-; 0$	0	$0.6 \pm 0.2$		$2 \times 10^{-3}$	(1967BR22)
		1.63	99		$(2.5 \pm 0.9) \times 10^{-3}$	(1971HA26)
					$(1.7 \pm 0.7) \times 10^{-2}$ <sup>b</sup>	(1971HA26)
					$(7.0 \pm 1.0) \times 10^{-6}$ <sup>c</sup>	(1971HA26)
5.62 <sup>e</sup>	$3^-; 0$	0	$7.6 \pm 1.0$		$10.6 \pm 2.7$	(1964BR18)
		1.63	$87.6 \pm 1.0$			(1971HA26)
		4.97	$4.8 \pm 1.6$		$(6.6 \pm 1.5) \times 10^{-6}$	(1964BR18)
5.79 <sup>f</sup>	$1^-; 0$	0	$18 \pm 5$		$35 \pm 9$	(1971HA26)
		1.63	$82 \pm 5$	4.0	$7.2 \times 10^{-6}$	(1965VA14)
6.72	$0^+; 0$	1.63	100	33	$9.2 \times 10^{-5}$	(1965VA14)
7.01 <sup>g</sup>	$4^-; 0$	1.63	$0.5 \pm 0.2$		3.8	(1965VA14)
		4.25	63.5			(1967BR22)
		4.97	11		$(1.7 \pm 0.4) \times 10^{-5}$	(1971HA26)
		5.62	25			(1967BR22)
					$10.4 \pm 1.8$	(1971HA26)
					$24 \pm 5$	(1967BR22)
7.20	$0^+; 0$	1.63				(1971HA26)
8.45	$5^-; 0$	5.62	100	$13 \pm 3$	$26 \pm 6$	(1969GR03)
8.78 <sup>h</sup>	$6^+; 0$	4.25	100	$100 \pm 15$	$20.4 \pm 2.4$	(1971RO33)
9.04	$4^+; 0$	1.63	(100)	$0.38 \pm 0.05$	7.0	(1971DI08, 1971RO13)
9.49	$2^+; 0$	0		$\lesssim 0.06$	$\lesssim 0.3$	(1964PE05)
		1.63	(100)	$0.26 \pm 0.1$	3.2 (E2), 0.03 (M1)	(1964PE05)
9.95	$(1^+); 0$	1.63	$> 90$			(1964PE05)
9.99	$4^+; 0$	0		$\lesssim 0.07$		(1964PE05)
		1.63	(100)	$0.9 \pm 0.4$	6.9	(1964PE05)
10.26	$2^+; 1$	0		$0.19 \pm 0.05$	0.6	(1964PE05)

Table 20.17 from (1972AJ02): Radiative decays in  $^{20}\text{Ne}$  <sup>a</sup> (continued)

$E_i$ (MeV)	$J_i^\pi; T$	$E_f$ (MeV)	Branch (%)	$\Gamma_\gamma$ (meV)	$ M ^2$ (W.u.)	Refs.
10.61 <sup>i</sup>	$6^-; 0$	1.63		$5.6 \pm 0.6$	0.41 (M1), 0.017 (E2)	(1964PE05)
		4.97		$\lesssim 0.44$	$\lesssim 0.006$	(1964PE05)
		7.01	$95.5 \pm 1.2$		$17_{-4}^{+7}$	(1971HA26)
		8.45	$4.5 \pm 1.2$		$10 \pm 4$	(1971HA26)
10.92		1.63	$25 \pm 5$			(1971HA26)
		4.25	$75 \pm 5$			(1971HA26)
11.08	$(4^+; 1)$	1.63		$\lesssim 0.08$	$\lesssim 0.4$	(1964PE05)
		4.25	(100)	$4.8 \pm 0.5$	0.72 (M1), 7.3 (E2)	(1964PE05)
		7.01		$\lesssim 1.4$	$\lesssim 0.04$	(1964PE05)
11.23	$1^+; 1$	0	(100)			(1964PE05)
11.53	$\leq 4$	4.25	$34 \pm 6$			(1971HA26)
		4.97	$66 \pm 6$			(1971HA26)
11.95	$8^+; 0$	8.78	100		$7.5 \pm 2.5$	(1972AL05)
12.25	$(2^+); 1$	1.63	(100)			(1964PE05, 1968LA1H)
13.48	$1^+; 1$	1.63	95			(1961GO21)
		4.97	5			(1961GO21)
13.88		1.63	20			(1961GO21)
		4.97	80	<sup>k</sup>		(1961GO21)
16.73	$0^+; 2$	11.23	(100)	$\approx 5000$		(1967KU06)
18.43	$2^+; 2$	12.25	(100)	$\approx 300$		(1968LA1H)

<sup>a</sup> See also (1961CL06, 1962EI04, 1965EV03).

<sup>b</sup> If M2.

<sup>c</sup> If E2.

<sup>d</sup> See also (1960KA18, 1961GO21).

<sup>e</sup> See also (1964AL15, 1965VA14).

<sup>f</sup> See also (1964AL15).

<sup>g</sup> See also (1962BR35, 1966BR1T, 1967SM04).

<sup>h</sup> See also (1967LI07).

<sup>i</sup> See also (1967SM04).

<sup>j</sup> See also (1964PE05). Note: this footnote is not labeled in the tabular.

<sup>k</sup> See Table 20.23.