

Table 20.37 from (1978AJ03): Decay of  $^{20}\text{Na}$

Decay to $^{20}\text{Ne}^*$ (MeV $\pm$ keV)	$J^\pi; T$	Branching ratio (%) <sup>a</sup>		log $ft$
		(1973TO08)	(1976IN06) <sup>d</sup>	
$1.633 \pm 2$ <sup>b</sup>	$2^+; 0$	$79.47 \pm 1.57$	$79.18 \pm 1.58$	$4.988 \pm 0.009$ <sup>f</sup>
$7.415 \pm 5$ <sup>e</sup>	$2^+; 0$	$16.37 \pm 1.28$		$4.19 \pm 0.05$
$7.826 \pm 7$ <sup>e</sup>	$2^+; 0$	$0.674 \pm 0.055$		$5.417 \pm 0.033$
$8.82 \pm 10$ <sup>e</sup>		$0.034 \pm 0.007$		$6.27 \pm 0.08$
$9.481 \pm 7$ <sup>e</sup>	$2^+; 0$	$0.247 \pm 0.020$		$5.064 \pm 0.034$
$9.873 \pm 5$ <sup>b</sup>	$3^+; 0$		$0.0272 \pm 0.0138$	$5.78 \pm 0.18$ <sup>f</sup>
$10.274 \pm 3$ <sup>b,c</sup>	$2^+; 1$ <sup>g</sup>	$2.89 \pm 0.23$	$2.944 \pm 0.224$	$3.471 \pm 0.033$ <sup>f</sup>
$10.584 \pm 7$ <sup>e</sup>	$2^+; 0$	$0.087 \pm 0.009$		$4.76 \pm 0.05$
$10.848 \pm 7$ <sup>e</sup>	$2^+; 0$	$0.193 \pm 0.016$		$4.179 \pm 0.035$
$10.884 \pm 3$ <sup>b</sup>	$3^+; 1$		$0.0392 \pm 0.0139$	$4.84 \pm 0.13$ <sup>f</sup>
$11.261 \pm 5$ <sup>b</sup>	$1^+; 1$		$0.203 \pm 0.026$	$3.73 \pm 0.05$
$11.320 \pm 15$ <sup>e</sup>	$2^+; 0$	$0.036 \pm 0.004$		$4.41 \pm 0.05$
$11.856 \pm 20$ <sup>e</sup>	$2^+; 0$	$0.0016 \pm 0.0004$		$4.98 \pm 0.10$

<sup>a</sup> For upper limits to other  $^{20}\text{Ne}$  states see Table 20.34 in (1972AJ02) and (1973TO08, 1976IN06). For earlier values see (1972AJ02).

<sup>b</sup> (1976IN06).

<sup>c</sup>  $10.278 \pm 5$  (1973TO08).

<sup>d</sup> Electron capture +  $\beta^+$ .

<sup>e</sup> (1973TO08).

<sup>f</sup> Includes radiative, nuclear size, lepton wavelength, electron screening and electron capture corrections (1976IN06).

<sup>g</sup> Assuming  $\Gamma_\gamma = 5.6 \pm 0.6$  eV,  $\Gamma_{\text{total}} = 356 \pm 230$  eV (1973TO08).