

Table 18.8 from (1983AJ01): Branching in  $^{18}\text{N}(\beta^-)^{18}\text{O}$  <sup>a</sup>

Decay to $^{18}\text{O}^*$ <sup>b</sup> (keV)	$J^\pi$	Branch (%) <sup>c</sup>	$\log ft$ <sup>c</sup>
$1982.05 \pm 0.09$ <sup>d</sup>	$2^+$	$3.9 \pm 1.5$	$6.75 \pm 0.30$
$3554.13 \pm 0.80$	$4^+$	$< 0.6$	$> 7.27$
$3633.70 \pm 0.11$	$0^+$	$< 0.35$	$> 7.50$
$3920.42 \pm 0.14$	$2^+$	$< 0.43$	$> 7.35$
$4455.52 \pm 0.10$	$1^-$	$54.6 \pm 1.1$	$5.146 \pm 0.054$
$5097.60 \pm 0.60$	$3^-$	$< 0.43$	$> 7.09$
$5530.17 \pm 0.32$	$2^-$	$3.1 \pm 0.4$	$6.15 \pm 0.07$
$6198.22 \pm 0.40$	$1^-$	$1.4 \pm 0.2$	$6.33 \pm 0.08$
$6349.76 \pm 1.0$	$(2^-)$	$2.2 \pm 0.3$	$6.09 \pm 0.08$
$6880.45 \pm 0.27$	$0^-$ <sup>e</sup>	$14.8 \pm 0.8$	$5.118 \pm 0.070$
$7771.07 \pm 0.50$	$2^-$ <sup>e</sup>	$5.0 \pm 0.5$	$5.32 \pm 0.09$

<sup>a</sup> (1982OL01).

<sup>b</sup> For  $\gamma$ -ray branchings see Table 18.3.

<sup>c</sup> It is estimated that  $(15 \pm 6)\%$  of the transitions are to states of  $^{18}\text{O}$  which do not  $\gamma$ -decay. The uncertainty in this number is reflected in the  $\log ft$  values but not in the branching ratios. The  $\log ft$  values were calculated using  $14036 \pm 200$  keV for the  $^{18}\text{N}(\beta^-)^{18}\text{O}$   $Q$ -value (see also “*Mass of  $^{18}\text{N}$* ” in the “GENERAL” section of  $^{18}\text{N}$ ) and the  $\tau_{1/2}$  value given in reaction 1 of  $^{18}\text{N}$ ,  $624 \pm 12$  msec (1982OL01).

<sup>d</sup>  $E_\gamma = 1981.933 \pm 0.09$  keV is adopted by (1982OL01).

<sup>e</sup> See (1982OL01).