

Table 20.8 from (1987AJ02):
States of ^{20}F involved in $^{19}\text{F}(n, \gamma)^{20}\text{F}$ ^a

E_x (keV)	J^π	E_x (keV)	J^π
0	2^+	3586.56 ± 0.09	$(1, 2)^+$
656.00 ± 0.04	3^+	3680.13 ± 0.06	1, 2
822.68 ± 0.08	4^+	3965.19 ± 0.16	1^+
983.71 ± 0.05	1^-	4082.08 ± 0.11	$(1)^+$
1057.02 ± 0.04	1^+	4277.22 ± 0.14	$(1, 2)^+$
1309.34 ± 0.05	2^-	4371.38 ± 0.12	$(2)^+$
1843.97 ± 0.08	2^-	4508.7 ± 0.4	$1^+, 2$
1970.80 ± 0.07	(3^-)	5318.87 ± 0.17	0 – 2
2044.05 ± 0.06	2^+	5555.34 ± 0.13	1, 2^+
2194.36 ± 0.08	(3^+)	5936.09 ± 0.05	2^-
2966.16 ± 0.08	3^+	6017.77 ± 0.03	2^-
3488.49 ± 0.06	1^+	6044.98 ± 0.08	0 – 2
3526.28 ± 0.07	0^+	6601.33 ± 0.04	$0^+, 1^+$ ^b

^a (1983HU12). For the earlier work see Table 20.11 in (1978AJ03). A state at 5713 ± 2 keV reported earlier is not seen here. (1987AL06) suggest that a 3428.4 ± 0.4 keV γ -ray reported by (1983HU12) feeds $^{20}\text{F}^*(3.17)$ and that its excitation energy is then 3172.58 ± 0.42 keV [for the decay of this state see Table 20.3].

^b The transition $C \rightarrow 3.53$ [$J^\pi = 0^+$] is observed.