

Table 20.4 from (1983AJ01): Radiative transitions in ^{20}F ^a

E_i (MeV)	J_i^π	E_f (MeV)	Branching (%)	δ
0.66	3^+	0	100	0.10 ± 0.05
0.82	4^+	0	41 ± 4	
		0.66	59 ± 5	
0.98 ^c	1^-	0	≥ 96	^b
1.06 ^c	1^+	0	≥ 96	
1.31 ^c	2^-	0	100	^b
1.82 ^c	5^+	0.82	≥ 95	-0.03 ± 0.07
1.84 ^c	2^-	0	≥ 94	
1.97 ^c	(3^-)	0	16 ± 4	-0.06 ± 0.14
		0.82	55 ± 3	$+0.27 \pm 0.30$
		1.31	29 ± 3	
2.04 ^c	2^+	0	8 ± 4	
		0.66	92 ± 4	$0.08^{+0.06}_{-0.1}$
2.19 ^c	(3^+)	0	58 ± 4	0 ± 0.09
		0.82	42 ± 4	$+0.07 \pm 0.10$
2.86		0	(100)	
2.966	3^+	0	19 ± 5	
		0.66	17 ± 5	
		0.82	35 ± 4	
		1.97	29 ± 4	
2.968 ^d	(4^-)	0.82	39 ± 4	
		1.97	61 ± 4	
3.17 ^c	(1^+)	0.98	> 95	
3.49	1^+	0	68 ± 4	
		0.98	7 ± 1	
		1.06	7 ± 1	
		1.31	10 ± 2	
		1.84	8 ± 2	
3.53	0^+	1.06	100	
3.59	$(1, 2, 3)^+$	0	63	
		2.04	37	

Table 20.4 from (1983AJ01): Radiative transitions in ^{20}F ^a (continued)

E_i (MeV)	J_i^π	E_f (MeV)	Branching (%)	δ
3.68	(1, 2, 3) ⁺	0	33	
		0.66	67	
3.76	1 ⁺	0.66	observed	
3.97		0.98	22 ± 7	
4.08	(1) ⁺	1.31	78 ± 7	
		0	45 ± 7	
		1.06	55 ± 7	
e				

^a For references see [Table 20.5 in \(1978AJ03\)](#).

^b Pure E1.

^c For upper limits for transitions to other states of ^{20}F see [Table 20.5 in \(1978AJ03\)](#).

^d [\(1978LE19\)](#).

^e For the decays of higher states see [Table 20.5 in \(1978AJ03\)](#), and [Tables 20.8 and 20.9](#) here.