

Table 20.5 from (1978AJ03): Radiative transitions in ^{20}F

E_i (MeV)	J_i^π	E_f (MeV)	J_f^π	Branching (%)	δ	Refs.
0.66	3^+	0	2^+	100	0.10 ± 0.05	^a , (1973HA14)
0.82	4^+	0	2^+	41 ± 4		(1969HE20, 1970QU04)
		0.66	3^+	60 ± 5		(1969HE20, 1970QU04)
0.98	1^-	0	2^+	≥ 96	^b	(1973PR01)
		0.66	3^+	≤ 2		(1973PR01)
				< 1		(1968SP01)
		0.82	4^+	≤ 2		(1973PR01)
				< 1		(1968SP01)
1.06 ^c	1^+	0	2^+	≥ 96		(1973PR01)
				100		(1968SP01, 1970QU04)
		0.66	3^+	≤ 2		(1973PR01)
				< 1		(1968SP01)
		0.82	4^+	≤ 2		(1973PR01)
				< 1		(1968SP01)
1.31	2^-	0	2^+	100	^b	^a
		0.66	3^+	≤ 14		(1969HE20)
		0.82	4^+	< 2		(1968SP01)
		0.98	1^-	< 1		(1968SP01)
		1.06	1^+	< 1		(1968SP01)
1.82	5^+	0	2^+	< 3		(1972AL26, 1973PR01)
		0.66	3^+	< 3		(1972AL26)
		0.82	4^+	≥ 95	-0.03 ± 0.07	(1973PR01)
1.84 ^d	2^-	0	2^+	≥ 94		(1973PR01)
		0.66	3^+	≤ 6		(1973PR01)
		0.82	4^+	< 4		(1973PR01)
				< 3		(1972AL26)
		0.98	1^-	< 4		(1973PR01)
		1.31	2^-	< 4		(1973PR01)
1.97 ^d	(3^-)	0	2^+	16 ± 4	-0.06 ± 0.14	(1973PR01)
		0.66	3^+	< 3		(1973PR01)

Table 20.5 from (1978AJ03): Radiative transitions in ^{20}F (continued)

E_i (MeV)	J_i^π	E_f (MeV)	J_f^π	Branching (%)	δ	Refs.
2.04 ^e	2 ⁺	0.82	4 ⁺	55 ± 3	+0.27 ± 0.30	(1973PR01)
		0.98	1 ⁻	< 3		(1973PR01)
		1.31	2 ⁻	29 ± 3		(1973PR01)
		0	2 ⁺	8 ± 4		(1973PR01)
		0.66	3 ⁺	92 ± 4		0.08 ^{+0.06} _{-0.1}
2.19 ^e	(3 ⁺)	0.82	4 ⁺	< 5	0 ± 0.09	(1973PR01)
		0	2 ⁺	58 ± 4		(1973PR01)
		0.66	3 ⁺	< 5		(1973PR01)
2.86	3 ⁺	0.82	4 ⁺	42 ± 4	+0.07 ± 0.10	(1973PR01)
		0	2 ⁺	(100)		(1970QU04)
2.97 ^e	3 ⁺	0	2 ⁺	24 ± 3		(1969HE20)
				19 ± 5		(1973PR01)
		0.66	3 ⁺	14 ± 2		(1969HE20)
				17 ± 5		(1973PR01)
		0.82	4 ⁺	62 ± 6		(1969HE20)
				35 ± 4		(1973PR01)
		1.97	(3 ⁻)	29 ± 4		(1973PR01)
3.17 ^f	(1 ⁺)	0	2 ⁺	< 5		(1970QU04)
		0.98	1 ⁻	> 95		(1970QU04)
3.49	1 ⁺	0	2 ⁺	68 ± 4		(1969HO20)
		0.98	1 ⁻	7 ± 1		(1969HO20)
		1.06	1 ⁺	7 ± 1		(1969HO20)
		1.31	2 ⁻	10 ± 2		(1969HO20)
		1.84	2 ⁻	8 ± 2		(1969HO20)
		3.53	0 ⁺	1.06		1 ⁺
3.59	(1, 2, 3) ⁺	0	2 ⁺	66		(1968SP01)
				60		(1969HO20)
		2.04	2 ⁺	34		(1968SP01)
3.68	(1, 2, 3) ⁺			40		(1969HO20)
		0	2 ⁺	33		(1968SP01)

Table 20.5 from (1978AJ03): Radiative transitions in ^{20}F (continued)

E_i (MeV)	J_i^π	E_f (MeV)	J_f^π	Branching (%)	δ	Refs.
3.76		0.66	3^+	67		(1968SP01)
		0.66	3^+	observed		(1973PR01)
3.97 ^g	1^+	0.98	1^-	22 ± 7		(1973PR01)
4.08 ^h	$(1)^+$	1.31	2^-	78 ± 7		(1973PR01)
		0	2^+	35 ± 5		(1969HO20)
				45 ± 7		(1973PR01)
		1.06	1^+	65 ± 5		(1969HO20)
				55 ± 7		(1973PR01)
4.28	$(1, 2, 3)^+$	1.06	1^+	100		(1968SP01)
5.41		2.04	2^+	100		(1968SP01)
5.56		0	2^+	24		(1968SP01)
5.71		1.31	2^-	76		(1968SP01)
		1.06	1^+	60		(1969HA04)
5.94 ^g	$(0, 1, 2)^-$	4.28	$(1, 2)^+$	40		(1969HA04)
		0	2^+	7		(1968SP01)
		0.66	3^+	35		(1968SP01)
		0.98	1^-	4		(1968SP01)
		1.31	2^-	1		(1968SP01)
		1.84	2^-	7		(1968SP01)
		1.97	(3^-)	31		(1968SP01)
		2.19	(3^+)	5		(1968SP01)
		3.49	1^+	10		(1968SP01)
		0	2^+	29		(1968SP01)
6.02 ^g	$(0, 1, 2)^-$			40		(1968BL1C)
		0.66	3^+	3		(1968SP01)
		0.98	1^-	19		(1968SP01)
				23		(1968BL1C)
		1.06	1^+	1		(1968BL1C)
		1.31	2^-	2		(1968BL1C)
		1.84	2^-	6		(1968SP01)

Table 20.5 from (1978AJ03): Radiative transitions in ^{20}F (continued)

E_i (MeV)	J_i^π	E_f (MeV)	J_f^π	Branching (%)	δ	Refs.
6.04				6		(1968BL1C)
		2.19	(3 ⁺)	3		(1968SP01)
		2.97	3 ⁺	8		(1968SP01)
		3.49	1 ⁺	19		(1968SP01)
				18		(1968BL1C)
		3.59	(1, 2, 3) ⁺	10		(1968SP01, 1968BL1C)
		4.08		3		(1968SP01)
		1.31	2 ⁻	46		(1968SP01)
1.84	2 ⁻	54	(1968SP01)			
6.60	0 ⁺ , 1 ⁺	see Table 20.10				
6.63	2 ⁻	see Tables 20.9 and 20.10				
6.65	1 ⁻	see Tables 20.9 and 20.10				

^a See Table 20.6 in (1972AJ02).

^b Pure E1 (1973HA14).

^c See also (1973HA14).

^d See also (1970QU04, 1974KE18).

^e See also (1970QU04).

^f See also (1972AL26).

^g See also (1969HA04).

^h See also (1974KE18).