

Table 20.6 from (1972AJ02): Radiative transitions in  $^{20}\text{F}$ 

$E_i$ (MeV)	$J_i^\pi$	$E_f$ (MeV)	$J_f^\pi$	Branching (%)	Refs.
0.66	$3^+$	0	$2^+$	100	(1968SP01, 1970HO05, 1970QU04)
0.82 <sup>a</sup>	$4^+, 2^+$	0	$2^+$	$36 \pm 10$	(1970QU04)
		0.66	$3^+$	$42 \pm 4$	(1969HE20)
0.98 <sup>b</sup>	$(1^+, 2^+, 3^+)$	0	$2^+$	$64 \pm 10$	(1970QU04)
		0.66	$3^+$	$58 \pm 6$	(1969HE20)
		0	$2^+$	$90 \pm 10$	(1970QU04)
		0.66	$3^+$	$\geq 95$	(1969HE20)
		0.82	$4^+, 2^+$	$10 \pm 10$	(1970QU04)
1.06	$1^+$	0	$2^+$	$\leq 5$	(1969HE20)
		0.66	$3^+$	$< 1$	(1968SP01)
		0.82	$4^+, 2^+$	$< 1$	(1968SP01)
1.31	$2^+$	0	$2^+$	100	(1968SP01, 1970QU04)
		0.66	$3^+$	$< 1$	(1968SP01)
		0.82	$4^+, 2^+$	$< 1$	(1968SP01)
		0.66	$3^+$	100	(1968SP01, 1969HO20, 1970QU04)
		0.82	$4^+, 2^+$	$\geq 86$	(1969HE20)
		0.98	$(1^+, 2^+, 3^+)$	$\leq 14$	(1969HE20)
1.82	$(3^-)$	0	$2^+$	$< 2$	(1968SP01)
		0.82	$4^+, 2^+$	$< 1$	(1968SP01)
		0.82	$4^+, 2^+$	$< 1$	(1968SP01)
		1.06	$1^+$	$< 1$	(1968SP01)
1.84 <sup>c</sup>	$2, 1^+$	0	$2^+$	$< 20$	(1970QU04)
		0.82	$4^+, 2^+$	$> 80$	(1970QU04)
1.97 <sup>d</sup>	$2, 1^+$	0	$2^+$	$> 95$	(1970QU04)
		0.82	$4^+, 2^+$	$< 5$	(1970QU04)
		0.82	$4^+, 2^+$	$20 \pm 10$	(1970QU04)
2.04 <sup>e</sup>	$2^+$	0	$2^+$	$50 \pm 15$	(1970QU04)
		0.82	$4^+, 2^+$	$30 \pm 10$	(1970QU04)
		1.31	$2^+$	$20 \pm 5$	(1970QU04)
2.19 <sup>f</sup>	$2^+$	0	$2^+$	$20 \pm 5$	(1970QU04)
		0.66	$3^+$	$80 \pm 5$	(1970QU04)
		0	$2^+$	$45 \pm 10$	(1970QU04)

Table 20.6 from (1972AJ02): Radiative transitions in  $^{20}\text{F}$  (continued)

$E_i$ (MeV)	$J_i^\pi$	$E_f$ (MeV)	$J_f^\pi$	Branching (%)	Refs.	
2.87	$2^+, 3^+$	0.82	$4^+, 2^+$	$55 \pm 10$	(1970QU04)	
		0	$2^+$	(100)	(1970QU04)	
2.97 <sup>c</sup>		0	$2^+$	$24 \pm 3$	(1969HE20)	
				$45 \pm 10$	(1970QU04)	
		0.66	$3^+$	$14 \pm 2$	(1969HE20)	
		0.82	$4^+, 2^+$	$62 \pm 6$	(1969HE20)	
				$55 \pm 10$	(1970QU04)	
3.17 <sup>g</sup>		0	$2^+$	$< 5$	(1970QU04)	
		0.98	$(1^+, 2^+, 3^+)$	$> 95$	(1970QU04)	
3.49 <sup>h</sup>		$1^+$	0	$2^+$	$68 \pm 4$	(1969HO20)
	0.98		$(1^+, 2^+, 3^+)$	$7 \pm 1$	(1969HO20)	
1.06	$1^+$		$7 \pm 1$	(1969HO20)		
1.31	$2^+$		$10 \pm 2$	(1969HO20)		
1.84	$2, 1^+$		$8 \pm 2$	(1969HO20)		
3.53 <sup>b</sup>	$0^+$		1.06	$1^+$	100	(1968SP01, 1969HO20)
			3.59	$(1, 2, 3)^+$	0	$2^+$
					60	(1969HO20)
	2.04	$2^+$	34		(1968SP01)	
			40		(1969HO20)	
3.68	$(1, 2)^+$	0	$2^+$	33	(1968SP01)	
		0.66	$3^+$	67	(1968SP01)	
3.97		0	$2^+$	77	(1969HA04)	
		0.98	$(1^+, 2^+, 3^+)$	6	(1969HA04)	
		1.31	$2^+$	17	(1969HA04)	
4.08 <sup>i</sup>		$1^+$	0	$2^+$	$35 \pm 5$	(1969HO20)
			1.06	$2^+$	$65 \pm 5$	(1969HO20)
4.28		1.06	$1^+$	100	(1968SP01)	
5.41		2.04	$2^+$	100	(1968SP01)	
5.55		$(1, 2)^+$	0	$2^+$	24	(1968SP01)
	1.31		$2^+$	76	(1968SP01)	

Table 20.6 from (1972AJ02): Radiative transitions in  $^{20}\text{F}$  (continued)

$E_i$ (MeV)	$J_i^\pi$	$E_f$ (MeV)	$J_f^\pi$	Branching (%)	Refs.
5.71	(1, 2) <sup>-</sup>	1.06	1 <sup>+</sup>	60	(1969HA04)
5.94 <sup>j</sup>		4.28	(1, 2) <sup>+</sup>	40	(1969HA04)
		0	2 <sup>+</sup>	7	(1968SP01)
		0.66	3 <sup>+</sup>	35	(1968SP01)
		0.98	(1 <sup>+</sup> , 2 <sup>+</sup> , 3 <sup>+</sup> )	4	(1968SP01)
		1.31	2 <sup>+</sup>	1	(1968SP01)
		1.84	2, 1 <sup>+</sup>	7	(1968SP01)
		1.97		31	(1968SP01)
		2.19	2 <sup>+</sup>	5	(1968SP01)
6.02 <sup>j</sup>		3.49	1 <sup>+</sup>	10	(1968SP01)
	0	2 <sup>+</sup>	29	(1968SP01)	
			40	(1968BL1C)	
	0.66	3 <sup>+</sup>	3	(1968SP01)	
	0.98	(1 <sup>+</sup> , 2 <sup>+</sup> , 3 <sup>+</sup> )	19	(1968SP01)	
			23	(1968BL1C)	
	1.06	1 <sup>+</sup>	1	(1968BL1C)	
	1.31	2 <sup>+</sup>	2	(1968BL1C)	
	1.84	2, 1 <sup>+</sup>	6	(1968SP01)	
			6	(1968BL1C)	
	2.19	2 <sup>+</sup>	3	(1968SP01)	
	2.97		8	(1968SP01)	
	3.49	1 <sup>+</sup>	19	(1968SP01)	
			18	(1968BL1C)	
6.04	3.59	(1, 2, 3) <sup>+</sup>	10	(1968BL1C, 1968SP01)	
	4.08	1 <sup>+</sup>	3	(1968SP01)	
	1.31	2 <sup>+</sup>	46	(1968SP01)	
	1.84	2, 1 <sup>+</sup>	54	(1968SP01)	
	6.60	0 <sup>+</sup> , 1 <sup>+</sup>	see Table 20.9		
6.63	2 <sup>-</sup>	see Table 20.9			
6.65	1 <sup>-</sup>	see Table 20.9			

- <sup>a</sup> See also ([1967BE36](#), [1968SP01](#), [1969HO20](#), [1970HO05](#), [1971PR10](#)).
- <sup>b</sup> See also ([1967BE36](#)).
- <sup>c</sup> See also ([1968SP01](#), [1970HO05](#)).
- <sup>d</sup> See also ([1967BE36](#), [1968SP01](#)).
- <sup>e</sup> See also ([1967BE36](#), [1968SP01](#), [1969HA04](#), [1970HO05](#)).
- <sup>f</sup> See also ([1968SP01](#), [1969HO20](#)).
- <sup>g</sup> See also ([1969HO20](#)).
- <sup>h</sup> See also ([1967BE36](#), [1968SP01](#), [1969HA04](#)).
- <sup>i</sup> See also ([1968SP01](#)).
- <sup>j</sup> See also ([1969HA04](#)).