

Table 20.1 from (1959AJ76): Energy levels of ^{20}F

E_x (MeV \pm keV)	J^π	$\tau_{1/2}$ or Γ (keV)	Decay	Reactions
0	$2^+, 3^+$	$\tau_{1/2} = 11.4 \pm 1$ sec	β^-	1, 6, 9, 15, 23, 24
0.652 ± 8	$1^+, 2^+, 3^+$		γ	15, 23
0.828 ± 8	$1^+, 2^+, 3^+$			15
0.988 ± 8	$1^+, 2^+, 3^+$			15
1.059 ± 8	$0^+, 1^+$		γ	15
1.309 ± 8				15
1.970 ± 8				15
2.048 ± 8	$1^+, 2^+, 3^+$			15
2.195 ± 8	$1^+, 2^+, 3^+$			15
2.870 ± 8	$2^-, 3^-, 4^-$			15
2.966 ± 8	$0^-, 1^-, 2^-$			15
3.491 ± 8	$0^+, 1^+$			15
3.528 ± 8	$0^+, 1^+$			15
3.586 ± 8				15
3.681 ± 8				15
3.961 ± 9				15
4.079 ± 9	$0^+, 1^+$			15
4.275 ± 9				15
4.310 ± 9	$0^+, 1^+$			15
5.04 ± 20	$0^-, 1^-, 2^-$			15
5.19 ± 20	$0^-, 1^-, 2^-$			15
5.27 ± 20	$0^-, 1^-, 2^-$			15
5.72 ± 20				15
5.87 ± 20	$0^-, 1^-, 2^-$			15
5.95 ± 20	$0^-, 1^-, 2^-$			15
6.25 ± 20				15
6.52 ± 20	$0^-, 1^-, 2^-$			15
6.63 ± 10	2^-	0.36 ± 0.08	n, γ	9, 10, 15
6.65 ± 10	1^-	1.4	n, γ	9, 10
6.70 ± 10	1^-	11 ± 2	n, γ	9, 10

Table 20.1 from (1959AJ76): Energy levels of ^{20}F (continued)

E_x (MeV \pm keV)	J^π	$\tau_{1/2}$ or Γ (keV)	Decay	Reactions
6.87 \pm 15		24 \pm 10	n, γ	9, 10, 11
6.93 \pm 25		190 \pm 95	n, (γ)	9, 10
7.01 \pm 15		24 \pm 14	n, (γ)	9, 10, 11
7.09 \pm 15		24 \pm 14	n, γ	9, 10, 11
7.17 \pm 15		24 \pm 10	n, γ	9, 10, 15
7.35			n, (γ)	9, 11
7.39			n	11
7.44			n, (γ)	9, 11
7.51 \pm 20			n, (γ)	9, 10, 11
7.65 \pm 20			n, (γ)	9, 10
7.79 \pm 20			n, γ	9, 10
8.18 \pm 20			n, γ	9, 10
8.55 \pm 20			n	10
8.74 \pm 20			n	10
9.8 \pm 100			n, α	14
10.04 \pm 50			n, α	14
10.11 \pm 50			n, α	14
10.19 \pm 50			n, α	14
10.53 \pm 50			n, α	14
10.81 \pm 50			n, α	14
11.22 \pm 50			n, α	14
11.39			n, α	14
11.74			n, α	14
11.92			n, α	14
12.21 \pm 100			n, α	14
12.38			n, α	14
13.60		450	d, α	5
13.92		360	d, α	5
14.28		270	d, α	5
14.95		540	d, α	5