

Table 19.9 from (1987AJ02): States in ^{19}F from $^{12}\text{C}(^{11}\text{B}, \alpha)$ ^a

E_x (MeV \pm keV)	J^π	Γ_γ/Γ	Γ_α (eV) ^b	$\Gamma_{\text{c.m.}}$ (eV) ^b
5.42	$\frac{7}{2}^-$	0.040 ± 0.007	2.6 ± 0.7	2.7 ± 0.7
6.16	$\frac{7}{2}^-$	0.206 ± 0.017	2.9 ± 0.8	3.7 ± 1.0
6.59	$\frac{9}{2}^+$	0.044 ± 0.006	7.3 ± 1.7	7.6 ± 1.8
7.17	$\frac{11}{2}^-$	0.025 ± 0.003	6.7 ± 1.1	6.9 ± 1.1
8.95	$\frac{11}{2}^-$	< 0.004	> 29	> 29
9.71	$\frac{11}{2}^-$	< 0.007	> 79	> 79
9.83	$\frac{11}{2} \rightarrow \frac{15}{2}$	0.045 ± 0.009	1.6 ± 0.6	$\geq 1.6 \pm 0.6$
9.87	$\frac{11}{2}^-$	0.43 ± 0.04	1.4 ± 0.3	2.6 ± 0.6
10.41	$\frac{13}{2}^+$	0.010 ± 0.002	223 ± 66	$\geq 225 \pm 67$
10.927 ± 8		0.051 ± 0.004		

^a (1986VEZT) and W.J. Vermeer, private communication; $E(^{11}\text{B}) = 33, 35, 38$ and 48 MeV.

^b Derived.