

Table 20.10 from (1987AJ02):
States of ^{20}F from resonances in $^{19}\text{F}(n, n'\gamma)^{19}\text{F}$

E_n (keV)	Γ_{lab} (keV)	Resonance in		E_x in ^{20}F (MeV)
		$\gamma_{0.11}$ ^a	$\gamma_{1.5}$ ^b	
240		r		6.829
270		r		6.858
386		r		6.968
420		r		7.000
490		r		7.066
620		r		7.190
800		r		7.361
860		r		7.418
1150 ^c		r		7.693
1250		r		7.788
1580		r		8.101
1645	15	r	r	8.163
1916	28		r	8.421
2240	45		r	8.728
2465	75	r	r	8.942
2700		r		9.165
3075	120		r	9.521
3215	80		r	9.654
3400	35		r	9.830
3475	≤ 30		r	9.901
3620	120	r	r	10.038
4240	90	r	r	10.627
4620	200		r	10.988
4900	≤ 50		r	11.254
7300		r		13.532

r = resonant.

^a Resonances in yield of 0.11 MeV γ -rays at $\theta = 92^\circ$: values for E_n read by reviewer from differential cross section tables. See [Table 20.13 in \(1978AJ03\)](#) for references.

^b Resonances in yields of ^{19}F with $E_x \approx 1.5$ MeV: see [\(1973MA14\)](#).

^c Appears to be unresolved.