

Table 20.13 from (1998TI06):
States of ^{20}F from resonances in $^{19}\text{F}(n, n'\gamma)^{19}\text{F}$

E_n (keV)	Γ_{cm} (keV)	Resonance in		E_x in ^{20}F (MeV)
		$\gamma_{0.11}$ ^a	$\gamma_{1.5}$ ^b	
240		*		6.829
270		*		6.858
386		*		6.968
420		*		7.000
490		*		7.066
620		*		7.190
800		*		7.361
860		*		7.418
1150 ^c		*		7.693
1250		*		7.788
1580		*		8.101
1645	14	*	*	8.163
1916	27		*	8.421
2240	43		*	8.728
2465	71	*	*	8.942
2700		*		9.165
3075	114		*	9.521
3215	76		*	9.654
3400	33		*	9.830
3475	≤ 29		*	9.901
3620	114	*	*	10.038
4240	86	*	*	10.627
4620	190		*	10.988
4900	≤ 48		*	11.254
7300		*		13.532

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

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

^c Appears to be unresolved.