

Table 20.13 from (1978AJ03):  
States of  $^{20}\text{F}$  from resonances in  $^{19}\text{F}(n, n'\gamma)^{19}\text{F}$

$E_n$ (keV)	$\Gamma_{\text{lab}}$ (keV)	Resonance in		$E_x$ in $^{20}\text{F}$ (MeV)
		$\gamma_{0.11}$ <sup>a</sup>	$\gamma_{1.5}$ <sup>b</sup>	
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 <sup>c</sup>		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	$\leq 30$		r	9.901
3620	120	r	r	10.038
4240	90	r	r	10.627
4620	200		r	10.988
4900	$\leq 50$		r	11.254
7300		r		13.532

r = resonant.

<sup>a</sup> Resonances in yield of 0.11 MeV  $\gamma$ -rays at  $\theta = 92^\circ$ : values for  $E_n$  read by reviewer from differential cross section tables (1976MO13).

<sup>b</sup> Resonances in yields to states of  $^{19}\text{F}$  with  $E_x \approx 1.5$  MeV: see (1973MA14).

<sup>c</sup> Appears to be unresolved.