

Table 20.9 from (1998TI06): Resonances in $^{19}\text{F}(n, \gamma)^{20}\text{F}$ ^a

E_n (keV)	J^π ^b	Γ_γ (eV)	$\Gamma_{\text{c.m.}}$ (keV)	E_x in ^{20}F (MeV)
27.07 ± 0.05	2^-	1.4 ± 0.3	0.355 ± 0.03	6.6270
43.5 ± 0.1	(3, 4)	^c	< 0.08	6.6426
48.7 ± 0.3	1^-	1.6 ± 0.3	1.96 ± 0.3	6.6475
97.0 ± 0.5	1^-	6.0 ± 1.8 ^d	13.5 ± 1.5	6.6934
173.5 ± 0.9		^e	≤ 0.6	6.7661
269 ± 1	2	3.5 ± 0.8	10 ± 2	6.8567
(270 ± 8)	1	≤ 4.4		(6.859)
386 ± 1	1^-	2.4 ± 0.8	5 ± 1	6.9678
(490.5 ± 1)	0^-	($\geq 10 \pm 3$)	(2.4 ± 0.6)	(7.0671)
595 ± 2	2	6.3 ± 1.2	8 ± 1	7.166
760		2.9	60	7.32
865			60	7.42
950		2.8	95	7.50
1125		3.9	80	7.67
(1295 ± 12)	1^-	8.6	(50 ± 10)	(7.831)
1460 ± 3	1	$\geq 11 \pm 3$	14 ± 2	7.988
1635		11 ± 3	180	8.15

^a For complete references see [Table 20.9 in \(1978AJ03\)](#).

^b Assumed.

^c $g\Gamma_n = 0.086 \pm 0.020$ eV.

^d May be two resonances.

^e $g\Gamma_n = 0.35 \pm 0.10$ eV.