

Table 20.9 from (1978AJ03): Resonances in $^{19}\text{F}(n, \gamma)^{20}\text{F}$

E_n (keV)	J^π ^a	Γ_γ (eV)	$\Gamma_{\text{c.m.}}$ (keV)	E_x in ^{20}F (MeV)	Refs.
27.07 ± 0.05	2^-	1.4 ± 0.3	0.355 ± 0.03	6.6269	(1973MA14, 1971NY02)
43.5 ± 0.1	$(3, 4)$ ^f	^b	< 0.08	6.6425	(1973MA14)
48.7 ± 0.3	1^-	1.6 ± 0.3	1.96 ± 0.3	6.6474	(1973MA14, 1971NY02)
97.0 ± 0.5	1^-	6.0 ± 1.8 ^c	13.5 ± 1.5	6.6933	(1973MA14)
173.5 ± 0.9		^d	≤ 0.6	6.7660	(1973MA14)
269 ± 1	2	3.5 ± 0.8	10 ± 2	6.8566	(1973MA14)
(270 ± 8)	1	≤ 4.4		(6.858)	(1973MA14)
386 ± 1	1^-	2.4 ± 0.8 ^g	5 ± 1	6.9677	(1973MA14)
(490.5 ± 1)	0^-	$(\geq 10 \pm 3)$	(2.4 ± 0.6)	(7.0670)	(1973MA14)
595 ± 2	2	6.3 ± 1.2 ^g	8 ± 1	7.166	(1973MA14)
760		2.9	60	7.32	(1959GA08)
865			60	7.42	(1959GA08)
950		2.8	95	7.50	(1959GA08)
1125		3.9	80	7.67	(1959GA08)
(1295 ± 12)	1^-	8.6 ^g	(50 ± 10)	(7.831)	(1973MA14, 1959GA08)
1460 ± 3	1	$\geq 11 \pm 3$	14 ± 2	7.988	(1973MA14)
1635		11 ± 3 ^g	180	8.15	(1959GA08)

^a Assumed: (1973MA14).

^b $g\Gamma_n = 0.086 \pm 0.02$ eV (1973MA14).

^c May be two resonances.

^d $g\Gamma_n = 0.35 \pm 0.1$ eV (1973MA14).

^e See also Table 20.8 in (1972AJ02) and (1973MU14).

^f (1974KE18).

^g (1973MU14).