

Table 16.24 from (1986AJ04): Energy levels of ^{16}F

E_x (MeV \pm keV)	$J^\pi; T$	$\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
0	$0^-; 1$	40 ± 20^a	p	1, 2, 3, 4, 5, 6
0.193 ± 6	1^-	$< 40^a$	p	1, 3, 4, 6
0.424 ± 5	2^-	40 ± 30	p	1, 3, 4, 6
0.721 ± 4	3^-	< 15	p	1, 3, 4, 6
3.758 ± 6	1^+	< 40	p	1, 3, 4, 6
3.870 ± 6	2^+	< 20	p	1, 4, 6
4.372 ± 6	3^+	50 ± 20	p	1, 3, 4, 6
4.654 ± 6	1^+	60 ± 20	p	1, 3, 4, 6
(4.71 ± 20)				6
4.977 ± 8	(2^+)	60 ± 40	p	1, 4, 6
5.272 ± 8	(1^-)		p	1, 3, 4
5.404 ± 10	4		p	1, 4, 6
5.449 ± 14			p	1
5.524 ± 9	$\pi = +$		p	1, 4, 6
(5.57 ± 20)			p	1
5.856 ± 10	2^-		p	1, 3, 4
(6.05 ± 20)				6
6.224 ± 14				1, 3
6.372 ± 9	4^-			1, 3, 4
6.559 ± 10	$(3^- + 1^-)$	≤ 45	p	4
6.679 ± 8				1, 4, 6
(6.93 ± 20)				6
7.110 ± 20				1
7.50 ± 30	2^-	950 ± 100	p	3, 4
7.90 ± 15		< 100		1, 3, 4
9.50 ± 30	$1^-(+2^-)$	1050 ± 100	p	3, 4
9.60 ± 20		250 ± 50		4
11.50 ± 50	$1^-(+2^-)$	1900 ± 500	p	3, 4

^a (1984ST10) report $\Gamma_{\text{c.m.}} \approx 25$ and ≈ 100 keV for $^{16}\text{F}^*(0, 0.19)$.