

Adopted Levels 1993Ti07

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, D. R. Tilley, H. R. Weller and C. M. Cheves		NP 564 1 (1993)	31-Dec-1992

$Q(\beta^-) = -13306$ 23; $S(n) = 1.420 \times 10^4$ 7; $S(p) = -536$ 9; $Q(\alpha) = -9083$ 9 [2012Wa38](#)

Note: Current evaluation has used the following Q record -13312 21 1417E1 13 -536 8 -9083 8 [1997Au04](#).

See other reaction references in [1993Ti07](#).

 ^{16}F LevelsCross Reference (XREF) Flags

A	$^{14}\text{N}(^3\text{He}, n)$	D	$^{16}\text{O}(p, n)$
B	$^{14}\text{N}(^3\text{He}, np)$	E	$^{16}\text{O}(^3\text{He}, t)$
C	$^{15}\text{N}(p, \pi^-)$	F	$^{19}\text{F}(^3\text{He}, ^6\text{He})$

E(level)	J^π	$T_{1/2}$	XREF	Comments
0.0	0^-	40 keV 20	ABCDEF	%p=100 T=1
193 6	1^-	<40 keV	AB DEF	%p=100
424 5	2^-	40 keV 30	ABCDEF	%p=100
721 4	3^-	<15 keV	ABCDEF	%p=100
3758 6	1^+	<40 keV	AB DEF	%p=100
3870 6	2^+	<20 keV	AB DEF	%p=100
4372 6	3^+	50 keV 20	AB DEF	%p=100
4654 6	1^+	60 keV 20	AB DEF	%p=100
4710?† 20			F	
4977 8	(2^+)	60 keV 40	AB EF	%p=100
5272 8	(1^-)		AB DE	%p=100
5404 10	4		ABC EF	%p=100
5449 14			AB	%p=100
5524 9	+		AB EF	%p=100
5570? 20			B	%p=100
5856 10	2^-		A DE	%p=100
6050?† 20			F	
6224† 14			A D	
6372† 9	4^-		A CDE	
6559 10	‡		D	%p=100
6679† 8	‡	≤45 keV	AB EF	
6930?† 20			F	
7110† 20			A	
7500 30	2^-	950 keV 100	DE	%p=100
7900† 15		<100 keV	A CDE	
9500 30	1^- (& 2^-)	1050 keV 100	DE	%p=100
9600† 20		250 keV 50	E	
11500 50	1^- (& 2^-)	1900 keV 500	CDE	%p=100

† Decay mode not specified.

‡ $J^\pi(6559+6679) = (3^- \text{ and } 1^-)$.