

$^{17}\text{O}(\alpha,t)$ 1992Ya08

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Tilley, Weller, Cheves, Chasteler		NP A595, 1 (1995)	31-Oct-1994

Projectile: α , E=64.3 MeV. Target: 51.2% enriched ^{17}O gas at 0.5 atm.

 ^{18}F Levels

E(level)	J^π [‡]	σ (mb) [†]	Comments
0	1 ⁺	0.26	
930	3 ⁺	0.41	
1040	0 ⁺		T=1
1120	5 ⁺	1.92	
2520	2 ⁺	0.02	
3060	2 ⁺	0.32	T=1
3720	1 ⁺	0.15	
4110	3 ⁺	0.43	
4650	4 ⁺	0.61	T=1
7440	(5 ⁻) [#]	0.09	
9020	(5 ⁻) [#]	0.09	T=(1)
9580	(6 ⁻) [#]	0.19	
12750	(6 ⁻)	0.03	T=(1)
14650	(7 ⁺) [#]	0.07	
15800	(6 ⁻) [#]	0.03	T=(1)

[†] Integrated cross section.

[‡] J^π values from 1987Aj02.

[#] J^π value assumed in analysis by 1992Ya08.