^{22}Ne(t,^{3}He) 1988Cl04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia	NDS 127, 69(2015)	1-Apr-2015

^{22}Ne(t,^{3}He), E=33.4 MeV. E-ΔE particle telescope. Angular distribution, DWBA analysis, shell model calculations.
Other: 1969St07: ^{22}Ne(t,^{3}He), E=22 MeV. E-ΔE particle telescope.

^{22}F Levels

E(level)†	Jπ‡	Comments
0	4^+	
310 *30*	$2^+,3^+$	E(level): Shell model predicts 3^+ level at 200 keV which may possibly be the 71.6-keV adopted level.
708? *20*	$3^+,2^+$	
1411 *22*	5^+	
1637 *22*	(3^+)	
2000 *24*	(2^+)	
2590 *26*	4^+	
2881 *26*	(2^+)	
2986 *29*	$(1^+,0^+)$	
3167 *32*	$(0^+,1^+)$	
3374 *28*	4^+	
3592 *32*	5^+	
3975 *48*	$(2^+,3^+)$	
4198 *35*	$(4^+,5^+)$	
4372 *31*	$(3^+,4^+)$	
4615 *35*	$(2^+,3^+)$	
4779 *38*	$(2^+,3^+)$	
4888 *35*	$(2^+,3^+)$	
5210 *34*	$(0^+,1^+)$	
5586 *37*		
5753 *37*		
6595 *41*		

† Level energies increased 50 keV by evaluator (2005Fi16).
‡ Suggested by authors on the basis of angular distributions and DWBA.