^{152}Sm(α,α'):giant resonances 2004It02,2003It10

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. J. Martin	NDS 114, 1497 (2013)	31-Aug-2013

E=386 MeV. Data for the giant monopole and giant quadrupole resonances are from 2003It10 while those for the giant dipole and high-energy octupole resonances are from 2004It02 other:1988Sh38.

^{152}Sm Levels

E(level)	J^π	Comments
11.3×10^3	0^+	E(level): ΔE=+3-5. configuration: Low-energy component of the giant monopole resonance. %EWSR=17 *+2−4*.
11.53×10^3 *14*	2^+	configuration: Low-energy component of the giant quadrupole resonance. %EWSR=71 *5*.
12.8×10^3 *4*	1^-	configuration: Low-energy component of the isoscalar giant dipole resonance. %EWSR=29 *1*.
13.2×10^3 *38*	3^-	configuration: Low-energy component of the high-energy octupole resonance. %EWSR=3 *1*.
14.9×10^3 *4*	2^+	configuration: High-energy component of the giant quadrupole resonance. %EWSR=40 *+5−17*.
15.44×10^3	0^+	E(level): ΔE=+12-23. configuration: High-energy component of the giant monopole resonance. %EWSR=73 *+4−25*.
23×10^3 *4*	3^-	configuration: High-energy component of the high-energy octupole resonance. %EWSR=31 *4*.
25.1×10^3 *10*	1^-	configuration: High-energy component of the isoscalar giant dipole resonance. %EWSR=103 *3*.