^{201}At α decay 1974Ho27,1986Sc31

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong, Zhou Chunmei	NDS 104, 283 (2005)	1-Jan-2002

Parent: ^{201}At: E=0; J^{π}=(9/2$^-$); $T_{1/2}$=83 s *2*; Q(α)=6473.2 *16*; %α decay=59 *3*

^{201}At-%α decay: From data on α_1-α_2 correlations(1998Bo14). Other: 0.71 *7* from Iα(^{201}At)/Iα(^{205}Fr) (1974Ho27).

T1/2: from 1996Ta18. Others: 1967Tr06, 1974Ho27,1963Ho18, 1951Ba14, 1970DaZM.

^{197}Bi Levels

E(level)	J^{π}	Comments
0.0	(9/2$^-$)	J^{π}: L=2, A_2=−0.058 *4*, δ_{02}=−0.029 *2*, θ=0.084 (1996Sc35).

α radiations

Eα	E(level)	Iα[‡]	HF[†]	Comments
6342 *1*	0.0	100	1.4 *3*	Eα: from 1996Ta18. Others: 1967Tr01, 1974Ho27,1963Ho18, 1971Ho01, 1979Ry03.

[†] r_0=1.4901.

[‡] For absolute intensity per 100 decays, multiply by 0.59 *3*.