^{202}At α decay (182 s) 1992Hu04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao	NDS 133, 221 (2016)	1-Dec-2015

Parent: ^{202}At: E=y; $J^{\pi}=(7^+)$; $T_{1/2}$=182 s *2*; Q(α)=6353.8 *13*; %α decay=8.7 *15*
^{202}At-E: X-y=95.
^{202}At-$T_{1/2}$=182 s *2* (1992Hu04). Other: 180 s *12* (1967Tr06).
^{202}At-%α decay: From 1992Hu04.
1992Hu04: Measured Eα, Iα and α(t).

^{198}Bi Levels

E(level)	J^{π}[†]	$T_{1/2}$
0[†]	$(2^+,3^+)$	10.3 min *3*
0+x	7^+	11.6 min *3*

[†] From Adopted Levels.

α radiations

Eα[†]	E(level)	Iα[#]	HF[‡]
6134.6 *12*	0+x	100	2.83

[†] Value recommended by 1991Ry01 based on data of 1975BaYJ, 1974Ho27, 1967Tr06, and 1963Ho18.
[‡] r_0=1.485 *5*.
[#] For absolute intensity per 100 decays, multiply by 0.087 *15*.