^{201}**Bi α decay (59.1 min)**   **1966Ma51,1964Si11,1986Sc31**

History

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

Parent: ^{201}Bi: E=846.34 21; J$^\pi$=1/2$^+$; T$_{1/2}$=59.1 min 6; Q(α)=4500 6; %α decay≈0.3

^{201}Bi-%α decay: From α syst, %α≈0.3 (1987Sc31). Other: >0.00026 from K x ray/Iα(5.27α)=5000 in ^{201}Po(15.3-min+59.1-min)
   source (1964Si11) and the assumption that %IT is negligible (as suggested by results of 1976Ko13 and 1980Br23).

^{197}Tl Levels

E(level)	J$^\pi$
0	1/2$^+$

α radiations

Eα	E(level)	Iα[#]	HF[†‡]	Comments
5240 6	0	100	≈1.0	Eα: from 1966Ma51. Others: 1950Ne77, 1964Si11, 1967Ti04, 1970DaZM.

[†] From 1980Sc26.
[‡] r$_0$=1.4028.
[#] For absolute intensity per 100 decays, multiply by ≈0.003.