^{200}Po α decay (11.5 min) 1993Wa04,1967Le21,1967Si09

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong	NDS 108, 1093 (2007)	1-Jan-2006

Parent: ^{200}Po: E=0.0; $J^\pi=0^+$; $T_{1/2}$=11.5 min *1*; Q(α)=5981.4 *20*; %α decay=11.1 *3*

^{200}Po-Weighted average of 11.4 min *2* (1967Le08), 11.6 min *1* (1970Ra14), and 11.3 min *3* (1971Ho01). Other: 9.6 min *16* (1996Ta18).

^{200}Po-%α=11.1 *3*; %ε+%β^+=88.9 *3* (1993Wa04).

^{200}Po-%α decay: From 1993Wa04. Other: 1971Ho01.

See also 1971Ho01, 1967Ti04, 1967Tr06, 1963Ho08, 1951Ka37, 1967Le08, 1965Ti03, 1970Ra14.

Source prepared by ^{232}Th(p,spallation)^{204}Rn α decay, E(p)=600 MeV, mass separator, semi (1971Ho01); ^{209}Bi(p,^{10}N), E(p)=30-155 MeV, chem, semi (1967Le21); ^{187}Re(^{19}F,10n), enriched target, semi (1967Si09).

^{196}Pb Levels

E(level)	J^π	$T_{1/2}$
0	0^+	37 min *3*

α radiations

Eα	E(level)	Iα[†]	HF	Comments
5861.9 *18*	0	100	1.000	Eα: from 1991Ry01 based on recalibration of data: 5860 *6* (1963Ho18), 5860 *3* (1967Tr06), 5867 *8* (1967Ti04), 5861 *5* (1967Si09), 5864 *3* (1970Ra14). Other: 5863 *2* (1996Ta18). HF: r_0=1.4803.

[†] For absolute intensity per 100 decays, multiply by 0.111 *3*.