^{199}Po α decay (5.47 min) 1971Ho01,1967Ti04,1967Si09

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao	NDS 121, 395 (2014)	1-Mar-2014

Parent: ^{199}Po: E=0.0; $J^\pi=3/2^-$; $T_{1/2}$=5.47 min *15*; Q(α)=6074.2 *19*; %α decay=12 *2*

^{199}Po-$T_{1/2}$,J^π: Additional information 2.

^{199}Po-%α decay: Additional information 1.

^{199}Po-%α decay: %α=12 *2* (1971Ho01). Other: %α=2.6 *2* (1967Le08).

See also 1991Gr12, 1965Br17, 1967Le08, 1967Si09, 1967Le21, 1967Tr06, 1970DaZM.

Sources generally produced by ^{209}Bi(p,11n) (1967Ti04), ^{19}F on Re (1967Si09), ^{197}Au(^{10}B,8n) (1976Ko13), Ir(^{14}N,xn) (1985St02) and Re,Ir(^{20}Ne,xn) (1986Wo03).

^{195}Pb Levels

E(level)	J^π	$T_{1/2}$
0.0	$(3/2^-)^\dagger$	$\approx 15^\dagger$ min

† From Adopted Levels.

α radiations

Eα	E(level)	Iα†	HF	Comments
5952 *2*	0.0	100	1.30 *22*	Eα: from 1968Go12. Other: 5950 *8* (1967Tr06). Iα: from syst in 1980Sc26. Others: 1988Sc02, 1971Ho01. HF: r_0=1.491 *5*.

† For absolute intensity per 100 decays, multiply by 0.12 *2*.