## $^{199}$Po $\alpha$ decay (4.17 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=310 *2*; $J^{\pi}=13/2^{+}$; $T_{1/2}$=4.17 min *5*; Q($\alpha$)=6074.2 *19*; %$\alpha$ decay=39 *4*

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

$^{199}$Po-%$\alpha$ decay: %$\alpha$=39 *4* (1971Ho01). Other: %$\alpha$=27.5 *20* (1967Le08).

See also 1991Gr12, 1965Ti03, 1967Le08, 1967Si09, 1967Le21, 1967Tr06, 1970DaZM.

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

For evaluations, see 1991Ry01, 1988Sc02, and 1986BrZQ.

### $^{195}$Pb Levels

| E(level) | $J^{\pi}$ | $T_{1/2}$ |
|---|---|---|
| 201† *5* | $(13/2^{+})$† | 15.0† min *12* |

† From Adopted Levels.

### $\alpha$ radiations

| E$\alpha$ | E(level) | I$\alpha$† | HF | Comments |
|---|---|---|---|---|
| 6059 *3* | 201 | 100 | 1.20 *15* | E$\alpha$: from weighted av: 6066 *5* (1967Si09), 6053 *5* (1967Tr06), 6060 3 (1973BoXL), 6058 *3* (1968Go12), 6059 (1986Wo03).<br>I$\alpha$: from 1971Ho01, 1988Sc02.<br>HF: using $r_0$=1.491 *5*. See also 1988Sc02. |

† For absolute intensity per 100 decays, multiply by 0.39 *4*.