^{208}Pb(t,pγ)   **1983De34**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia	NDS 121, 561 (2014)	31-Mar-2014

Target: enriched ^{208}Pb. Projectile: tritons, E=16 MeV. Measured Eγ, Iγ, γ(t), γ(θ), differential perturbed angular distribution of γ rays in a magnetic field (DPAD). Deduced half-lives and g-factors. Detectors:Ge(Li).

^{210}Pb Levels

E(level)	Jπ†	T$_{1/2}$	Comments
0.0	0$^+$		
799.6	2$^+$		
1097.0	4$^+$		
1194.9	6$^+$	49 ns 6	g-factor=−0.312 15.
1272.0	8$^+$	201 ns 17	g-factor=−0.312 8.

† From Adopted Levels.

γ(^{210}Pb)

Eγ	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$	Mult.	Comments
(77.0)	1272.0	8$^+$	1194.9	6$^+$		
(97.9)	1194.9	6$^+$	1097.0	4$^+$		
297.4	1097.0	4$^+$	799.6	2$^+$	E2	Mult.: stretched E2, A$_2$=+0.28 4 from γ(θ).
799.6	799.6	2$^+$	0.0	0$^+$	E2	Mult.: stretched E2, A$_2$=+0.26 6 from γ(θ).

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Level Scheme

Legend

- - - - - - ▶ γ Decay (Uncertain)

$^{210}_{82}$Pb$_{128}$