^{208}Pb(^{7}Li,^{6}Liγ) 1972Ha59

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. Chen # and F. G. Kondev	NDS 126, 373 (2015)	30-Sep-2013

1972Ha59: E=31.5 MeV ^{7}Li beam was produced from the Chalk River MP tandem accelerator. A 10 mg/cm^2 thick target of ^{208}Pb was used. γ-rays were detected in a 45 cm^3 Ge(Li) counters and back-scattered particles were detected by a annular detector. Measured Eγ, Doppler-shift attenuation. Deduced levels, transition probabilities, $T_{1/2}$.

^{209}Pb Levels

E(level)	J$^\pi$ †	$T_{1/2}$ ‡
0.0	9/2$^+$	
779	11/2$^+$	>2 ps
1567	5/2$^+$	0.33 ps *9*

† From Adopted Levels.
‡ From DSAM in 1972Ha59.

γ(^{209}Pb)

E$_\gamma$	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$
779	779	11/2$^+$	0.0	9/2$^+$
1567	1567	5/2$^+$	0.0	9/2$^+$

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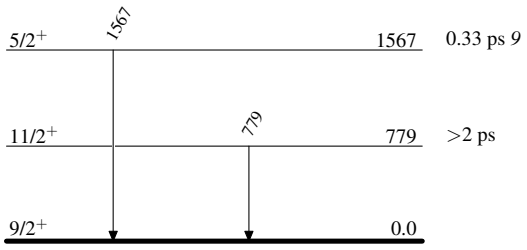
Level Scheme



$^{209}_{82}Pb_{127}$