

$^{208}\text{Pb}(^{17}\text{O}, ^{16}\text{O}\gamma)$ 1973Ha39

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

1973Ha39: E=77 MeV ^{17}O beam was produced from the Chalk River MP Tandem accelerator. A target of 0.8 mg/cm² ^{208}Pb on 0.13 mg/cm² thick Al foil. γ -rays were detected in two 40 cm³ Ge(Li) detectors. Measure E γ , recoil distance. Deduced levels, T_{1/2}.

 ^{209}Pb Levels

E(level)	J π [†]	T _{1/2} [‡]
0.0	9/2 ⁺	
778	11/2 ⁺	8.2 ps 9

[†] From Adopted Levels.

[‡] From 1973Ha39 using the recoil distance method.

 $\gamma(^{209}\text{Pb})$

E γ	E _i (level)	J π _i	E _f	J π _f
778	778	11/2 ⁺	0.0	9/2 ⁺

 $^{208}\text{Pb}(^{17}\text{O}, ^{16}\text{O}\gamma)$ 1973Ha39Level Scheme