

$^{206}\text{Pb}(\text{p},\text{p}'\gamma)$ 1972Ta18,1976Ju03

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 109, 1527 (2008)	31-Jan-2008

1972Ta18: E=12.25 MeV. Measured ce using Si(Li) detector.

1976Ju03: E=12.3 MeV. Measured ce using magnetic spectrometer.

Other: 1990Tr01.

 ^{206}Pb Levels

E(level) [†]	J ^π [‡]	T _{1/2}	Comments
0	0 ⁺		
803	2 ⁺		
1165 2	0 ⁺	0.75 ns 4	T _{1/2} : Weighted average of 0.67 ns 7 (1972Ta18) and 0.77 ns 4 (1976Ju03).

[†] From E_γ.

[‡] From Adopted Levels.

 $\gamma(^{206}\text{Pb})$

E _γ	E _i (level)	J _i ^π	E _f	J _f ^π	Mult.	Comments
803	803	2 ⁺	0	0 ⁺		
1165 2	1165	0 ⁺	0	0 ⁺	E0	E _γ : From 1990Tr01. Other value: 1166 3 (1972Ta18,1976Ju03). Mult.: ce(K)/ce(L)=5.61 38 (1990Tr01). I _γ : monopole strength: 0.026 3 (1972Ta18) and 0.034 2 (1976Ju03).

 $^{206}\text{Pb}(\text{p},\text{p}'\gamma)$ 1972Ta18,1976Ju03Level Scheme