

$^{244}\text{Pu}(^{208}\text{Pb}, ^{210}\text{Pb}\gamma)$ 1999WiZY

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. J. Martin, C. D. Nesaraja		NDS 186, 261 (2022)	31-Dec-2021

E(^{208}Pb)=1300 MeV. ^{242}Pu Levels

E(level) [†]	J π [‡]	Comments
0.0	0 ⁺	
44.545 9	2 ⁺	Additional information 1.
147.4 1	4 ⁺	Additional information 2.
306.7	6 ⁺	
518.9	8 ⁺	
780.5	10 ⁺	
1086.7	12 ⁺	
1435.2	14 ⁺	
1821.6	16 ⁺	
2242.4	18 ⁺	
2694	20 ⁺	
3173	22 ⁺	
3674	24 ⁺	
4186	26 ⁺	

[†] From a least-squares fit to the E γ data with the assumption that the uncertainties in the E γ data are all the same. The energies of the 2⁺ and 4⁺ levels are from Adopted Levels and are held fixed.

[‡] From Adopted Levels.

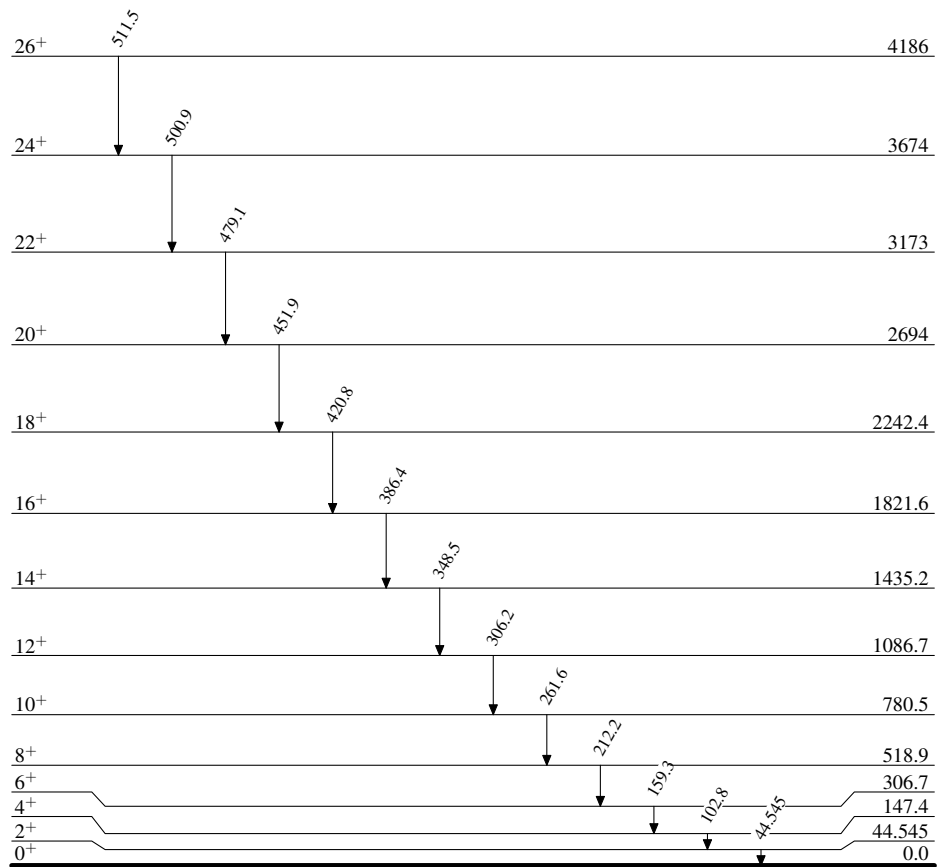
 $\gamma(^{242}\text{Pu})$

E γ [†]	E $_i$ (level)	J $_i^{\pi}$	E $_f$	J $_f^{\pi}$	Comments
44.545 9	44.545	2 ⁺	0.0	0 ⁺	E γ : From adopted gammas. Value not given in 1999WiZY .
102.8 1	147.4	4 ⁺	44.545	2 ⁺	E γ : From adopted gammas. Value not given in 1999WiZY .
159.3	306.7	6 ⁺	147.4	4 ⁺	
212.2	518.9	8 ⁺	306.7	6 ⁺	
261.6	780.5	10 ⁺	518.9	8 ⁺	
306.2 2	1086.7	12 ⁺	780.5	10 ⁺	E γ : From adopted gammas. Transition seen but not labeled in spectrum of 1999WiZY .
348.5	1435.2	14 ⁺	1086.7	12 ⁺	
386.4	1821.6	16 ⁺	1435.2	14 ⁺	
420.8	2242.4	18 ⁺	1821.6	16 ⁺	
451.9	2694	20 ⁺	2242.4	18 ⁺	
479.1	3173	22 ⁺	2694	20 ⁺	
500.9	3674	24 ⁺	3173	22 ⁺	
511.5	4186	26 ⁺	3674	24 ⁺	

[†] From spectrum shown in [1999WiZY](#). No uncertainties are given.

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Level Scheme

 $^{242}_{94}\text{Pu}_{148}$