^{206}Pb(n,2nγ) 1982Wu02,2000Zh02

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 166, 1 (2020)	20-Apr-2020

1982Wu02: E=14.2 MeV; Natural target; Measured Eγ, Iγ, σ(Eγ,θ).
2000Zh02: E=14.9 MeV; Natural target; Measured Eγ, Iγ, σ(Eγ,θ). σ(J$^\pi$=13/2$^+$,1014 keV)=1076 mb *38*.
Others: 1973Sa22.

^{205}Pb Levels

E(level)[†]	J$^\pi$[‡]	$T_{1/2}$	Comments
0	5/2$^-$		
576	3/2$^-$		
704	7/2$^-$		
987.5	9/2$^-$		
1013.8	13/2$^+$	5.54 ms *10*	$T_{1/2}$: From 284.5γ(t), 702.8γ(t), 986.0γ(t) and 1014.3γ(t) in 1973Sa22.
1043.7	7/2$^-$		
1264	5/2$^-$		
1499.2	9/2$^-$		
1697.2	17/2$^+$		
1704.7	(7/2,9/2)$^-$		
1758.5	9/2$^+$		
1965.9	(7/2,9/2$^-$)		
2203.9	11/2$^+$		

[†] From 2000Zh02 and 1982Wu02.
[‡] From Adopted Levels.

γ(^{205}Pb)

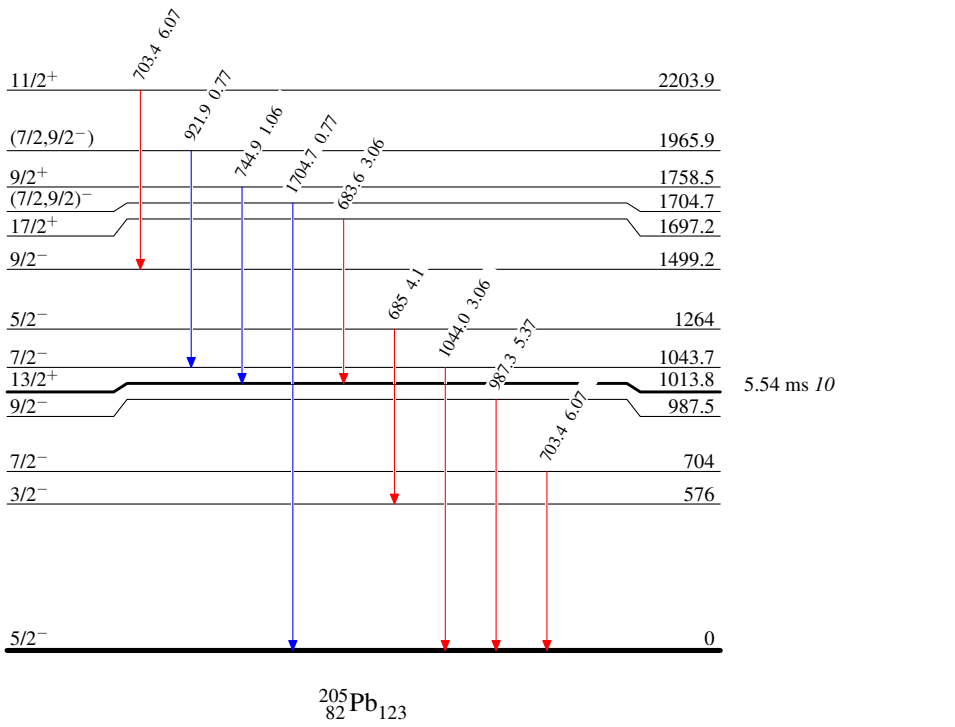
E$_\gamma$[†]	I$_\gamma$[†]	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$	Comments
683.6	3.06 *13*	1697.2	17/2$^+$	1013.8	13/2$^+$	I$_\gamma$: Probably overlaps with Eγ depopulating the 1264.7 keV level.
685[‡]	4.1[‡] *10*	1264	5/2$^-$	576	3/2$^-$	I$_\gamma$: Probably overlaps with Eγ depopulating the 1697.2 keV level.
703.4	6.07[#] *25*	704	7/2$^-$	0	5/2$^-$	I$_\gamma$: Probably overlaps with Eγ depopulating the 2203.9 keV level.
703.4	6.07[#] *25*	2203.9	11/2$^+$	1499.2	9/2$^-$	I$_\gamma$: Probably overlaps with Eγ depopulating the 703.4 keV level.
744.9	1.06 *22*	1758.5	9/2$^+$	1013.8	13/2$^+$	
921.9	0.77 *22*	1965.9	(7/2,9/2$^-$)	1043.7	7/2$^-$	
987.3	5.37 *19*	987.5	9/2$^-$	0	5/2$^-$	
1044.0	3.06 *13*	1043.7	7/2$^-$	0	5/2$^-$	
1704.7	0.77 *26*	1704.7	(7/2,9/2)$^-$	0	5/2$^-$	
[x]1751.3	1.16 *24*					E$_\gamma$: Assigned in 2000Zh02 to depopulate 2795-keV level to 1443.7-keV level. However, no such final level in the Adopted Levels.

[†] From 2000Zh02, unless otherwise stated. Iγ is the elemental σ in mb/sr at 55°.
[‡] From 1982Wu02.
[#] Doublet. Intensity not divided.
[x] γ ray not placed in level scheme.

^{206}Pb(n,2nγ) 1982Wu02,2000Zh02

Level Scheme

Intensities: Type not specified



$^{205}_{82}Pb_{123}$