

$^{206}\text{Pb}(p,d)$ 1975La07

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

1975La07: E(p)=35 MeV; Target: ^{206}Pb , enriched up to 97.2%; Detectors: spin-pole spectrometer, nuclear emulsions, charge division position-sensitive proportional counter; FWHM=12 keV, $\Delta E=1$ keV/MeV excitation energy; Measured: $\sigma(E(d),\theta)$.
Other: 1968Ya07.

 ^{205}Pb Levels

E(level) [†]	J π #	L [†]	C ² S [@]	Comments
0	5/2 ⁻	3	5.18	J π : From Adopted Levels.
≈ 2	1/2 ⁻	1	0.72	
262 1	3/2 ⁻	1	3.26	
577 1	3/2 ⁻	1	0.09	
$\approx 703?$			≤ 0.02	
762 1	5/2 ⁻	3	0.14	J π : From Adopted Levels.
802 1	(1/2,3/2) ⁻	(1)	0.02	
997	(1/2,3/2) ⁻	(1)	0.18	
1011 1	13/2 ⁺	6	12.7	
1042 1	7/2 ⁻	3	0.46	
1373 1	(1/2,3/2) ⁻	1	0.008	
1577 2	7/2 ⁻	3	0.07	
1615 2	7/2 ⁻	3	0.84	
1762 2	7/2 ⁻	3	6.60	
1838? 2	(13/2 ⁺)		(0.28)	
2352 3	1/2 ⁻ ,3/2 ⁻	1	0.04	
2521 3	7/2 ⁻	3	0.037	
2562? 3				
2692 3	9/2 ⁻	5	7.34	
2795 3	1/2 ⁺	0		
2903 3	9/2 ⁻	5	2.16	
3640 [‡] 20				
3852? 4				
3933 4	(7/2 ⁻)	3		
4013 4	1/2 ⁺	0		
4050 4	1/2 ⁺	0		
4984? 5				
5095? 5				
5145? 5				
5174? 5				

[†] From 1975La07.

[‡] From 1968Ya07.

From 1975La07, unless otherwise stated.

@ From 1975La07. The typical uncertainty is about 8%.