

$^{172}\text{Pt}$        $Z = 78$        $N = 94$       [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1348.350 ( 0.010) MeV

Qbeta+ = 6.272 ( 0.034) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-6.463 ( 0.014)	-----			
172PT 1	0.000	0+			1 97.6 MS 13
172PT 2				0.458 2(+)	2
172PT 3				1.070 (4+)	3
172PT 4				1.465 (3-)	4
172PT 5				1.753 (6+)	5
S-2p =	1.759 ( 0.014)	-----			
172PT 6				1.839 (5-)	6
172PT 7				1.932	7
S-p =	1.984 ( 0.040)	-----			
172PT 8				2.081 (7-)	8
172PT 9				2.164	9
172PT 10				2.406 (8+)	10
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172PT 11				2.406	11
172PT 12				2.728	12
172PT 13				2.743	13
172PT 14				2.994 (10+)	14
172PT 15				3.580 (12+)	15
172PT 16				4.218 (14+)	16
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S-p =	1.984 ( 0.040)	-----			
S-n =	11.709 ( 0.073)	-----			
S-2p =	1.759 ( 0.014)	-----			
S-2n =	20.950 ( 0.021)	-----			
S-alpha=	-6.463 ( 0.014)	-----			
S+p =	0.985 ( 0.025)				
S+n =	-8.907 ( 0.057)				
S+2p =	-0.112 ( 0.022)				
S+2n =	-20.354 ( 0.015)				
S+alpha =	6.897 ( 0.015)				
gap p =	2.969 ( 0.047)				
gap n =	2.802 ( 0.093)				
gap 2p =	1.647 ( 0.026)				
gap 2n =	0.596 ( 0.025)				
gap alpha =	0.434 ( 0.021)				