

$^{113}\text{Pd}$        $Z = 46$        $N = 67$       adopted link      ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 959.661 ( 0.007) MeV

Qbeta- = 3.436 ( 0.018) MeV

	Energy T	J+	J-	J-other	T1/2
113PD 1				0.000 (5/2+)	1 93 S 5
113PD 2				0.035 (1/2+)	2
113PD 3				0.081 (9/2-)	3 0.3 S 1
113PD 4				0.152 (3/2+)	4
113PD 5				0.166 (11/2-)	5
113PD 6				0.173 (1/2+)	6
113PD 7				0.190 (7/2+)	7
113PD 8				0.252 (3/2+,1/2+)	8
113PD 9				0.349 (5/2+,7/2+)	9
113PD 10				0.373 (1/2+,3/2+,5/2+)	10
-----					
113PD 11				0.409 +	11
113PD 12				0.410	12
113PD 13				0.455	13
113PD 14				0.500	14
113PD 15				0.539	15
113PD 16				0.549 (15/2-)	16
113PD 17				0.573 (13/2-)	17
113PD 18				0.716 (11/2+)	18
113PD 19				0.731	19
113PD 20				0.742	20
-----					
113PD 21				0.861	21
113PD 22				1.031 (13/2+)	22
113PD 23				1.081	23
113PD 24				1.111	24
113PD 25				1.120 (19/2-)	25
113PD 26				1.149 (17/2-)	26
113PD 27				1.346 (15/2+)	27
113PD 28				1.678 (17/2+)	28
113PD 29				1.842 (23/2-)	29
113PD 30				1.866 (21/2-)	30
-----					
113PD 31				2.030 (19/2+)	31
113PD 32				2.286 (23/2+)	32
113PD 33				2.342 (21/2+)	33
113PD 34				2.671 (27/2-)	34
113PD 35				2.684 (25/2-)	35
113PD 36				2.707 (23/2+)	36
113PD 37				2.772 (27/2+)	37

113PD	38				3.000	(25/2+)	38
113PD	39				3.408	(31/2+)	39
113PD	40				3.562	(29/2-)	40
-----							
113PD	41				3.563	(31/2-)	41
113PD	42				4.518	(35/2-)	42

S-p = 11.148 ( 0.045)-----  
S-n = 5.341 ( 0.010)-----  
S-2p = 21.383 ( 0.012)-----  
S-2n = 13.747 ( 0.007)-----  
S-alpha= 5.277 ( 0.011)-----

S+p = -8.629 ( 0.008)  
S+n = -7.971 ( 0.010)  
S+2p = -19.072 ( 0.007)  
S+2n = -12.978 ( 0.015)  
S+alpha = -5.253 ( 0.007)

gap p = 2.519 ( 0.045)  
gap n = -2.631 ( 0.014)  
gap 2p = 2.311 ( 0.014)  
gap 2n = 0.769 ( 0.017)  
gap alpha = 0.024 ( 0.013)