

$^{106}\text{Pd}$        $Z = 46$        $N = 60$       adopted link      ENSDF link

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

BE = 909.479 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
106PD 1	0.000	0+			1 STABLE
106PD 2	0.512	2+			2 12.2 PS 4
106PD 3	1.128	2+			3 3.12 PS 25
106PD 4	1.134	0+			4 5.8 PS 13
106PD 5				1.220	5
106PD 6	1.229	4+			6 1.31 PS 18
106PD 7	1.558	3+			7
106PD 8	1.562	2+			8
106PD 9				1.700	9
106PD 10	1.706	0+			10 2.8 PS 5
106PD 11				1.904	2-,3- 11
106PD 12	1.909	2+			12
106PD 13				1.920	13
106PD 14	1.932	4+			14 1.16 PS 16
106PD 15	2.001	0+			15
106PD 16	2.077	4+			16
106PD 17	2.077	6+			17 0.49 PS 5
106PD 18			2.084	3-	18 1.2 PS 3
106PD 19				2.229	19
106PD 20	2.242	2+			20
106PD 21	2.278	0+			21
106PD 22	2.283	4+			22
106PD 23			2.306	4-	23 2.0 NS 5
106PD 24	2.309	2+			24
106PD 25	2.351	4+			25
106PD 26	2.366	5+			26
106PD 27				2.397	(5)- 27
106PD 28				2.401	2-,3- 28
106PD 29	2.439	2+			29
106PD 30				2.472	1+,2+ 30
106PD 31				2.485	(1-) 31
106PD 32			2.495	1-	32
106PD 33	2.500	2+			33
106PD 34			2.500	2-	34
106PD 35				2.579	(5-) 35
106PD 36				2.592	(2,3)+ 36
106PD 37	2.624	0+			37
106PD 38				2.627	(2,3)+ 38

106PD	39	2.649	4+					39			
106PD	40					2.699	(6)-	40	0.5	NS	1
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106PD	41					2.705	(1)+	41			
106PD	42					2.712	(4+)	42			
106PD	43					2.714	2+,3+	43			
106PD	44					2.718		44			
106PD	45					2.737		45			
106PD	46	2.741	4+					46			
106PD	47					2.748	2,3-	47			
106PD	48	2.757	5+					48	3.6	NS	LT
106PD	49					2.776	(4+)	49			
106PD	50	2.784	2+					50			
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106PD	51					2.794	(7-)	51			
106PD	52	2.821	2+					52			
106PD	53	2.828	0+					53			
106PD	54					2.847	(4+)	54			
106PD	55					2.851	2+,3+	55			
106PD	56					2.861	(+)	56			
106PD	57	2.878	0+					57			
106PD	58					2.879	(1-)	58			
106PD	59					2.886	(-)	59			
106PD	60					2.898	(1-,4-)	60			
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106PD	61	2.902	2+					61			
106PD	62					2.909	(1-)	62			
106PD	63	2.918	2+					63			
106PD	64	2.930	4+					64			
106PD	65					2.936	(2-,3-)	65			
106PD	66	2.952	5+					66	2.0	NS	LT
106PD	67	2.963	8+					67	0.33	PS	7
106PD	68			2.969	3-			68			
106PD	69					2.977	+	69			
106PD	70					2.978	(7-)	70			
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106PD	71					2.999	(8-)	71	0.2	NS	LT
106PD	72					3.026	+	72			
106PD	73					3.037	1,2	73			
106PD	74	3.043	4+					74			
106PD	75	3.055	1+					75			
106PD	76	3.069	2+					76			
106PD	77					3.070	(2,3)-	77			
106PD	78					3.084	0	78			
106PD	79					3.097	(1-,2+)	79			
106PD	80					3.120	2+,3+	80			
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106PD	81					3.123	(6+)	81			
106PD	82					3.144	2+,3+	82			
106PD	83	3.161	2+					83			

106PD 84						3.164	(1,2+)		84
106PD 85						3.174	(2+,3+)		85
106PD 86						3.177	(8-)		86
106PD 87				3.217	3-				87
106PD 88		3.221	0+						88
S-alpha= 3.226 ( 0.001)-----									
106PD 89		3.250	2+						89
106PD 90		3.252	2+						90
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106PD 91						3.273	1,2		91
106PD 92				3.275	3-				92
106PD 93						3.290	(9-)		93 0.2 NS 1
106PD 94						3.299			94
106PD 95		3.320	0+						95
106PD 96				3.321	5-				96
106PD 97						3.359	(5-,6+)		97
106PD 98		3.397	4+						98
106PD 99				3.414	3-				99
106PD 100		3.449	2+						100
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106PD 101						3.462	9(-)		101 0.25 NS 10
106PD 102		3.490	2+						102
106PD 103						3.532	(5-)		103
106PD 104		3.533	10+						104
106PD 105				3.575	5-				105
106PD 106						3.607	(3-)		106
106PD 107		3.647	2+						107
106PD 108						3.654	10(-)		108
106PD 109						3.708	(5-)		109
106PD 110				3.761	3-				110
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106PD 111						3.805	(3-)		111
106PD 112				3.825	3-				112
106PD 113						3.875	(10-)		113
106PD 114				3.879	3-				114
106PD 115				3.903	3-				115
106PD 116		3.938	2+						116
106PD 117						3.949	(10+)		117
106PD 118		3.998	4+						118
106PD 119						4.022	11(-)		119
106PD 120		4.042	4+						120
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106PD 121		4.054	2+						121
106PD 122		4.089	12+						122
106PD 123		4.106	4+						123
106PD 124				4.134	3-				124
106PD 125				4.156	3-				125
106PD 126						4.193			126
106PD 127		4.224	4+						127
106PD 128						4.260	(11-)		128

106PD 129				4.640	(12-)	129
106PD 130				4.722	12(+)	130
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106PD 131				4.752	(12-)	131
106PD 132		4.894	14+			132
106PD 133				4.990	(13-)	133
106PD 134				5.107	(12+)	134
106PD 135				5.404	(14+)	135
106PD 136				5.895	(16+)	136

S-p = 9.345 ( 0.003)-----  
S-n = 9.561 ( 0.002)-----  
S-2p = 16.390 ( 0.003)-----  
S-2n = 16.655 ( 0.002)-----  
S-alpha= 3.226 ( 0.001)-----

S+p = -5.788 ( 0.003)  
S+n = -6.536 ( 0.002)  
S+2p = -13.923 ( 0.002)  
S+2n = -15.759 ( 0.002)  
S+alpha = -2.865 ( 0.001)

gap p = 3.557 ( 0.004)  
gap n = 3.024 ( 0.002)  
gap 2p = 2.467 ( 0.003)  
gap 2n = 0.896 ( 0.002)  
gap alpha = 0.361 ( 0.002)