

^{105}Pd $Z = 46$ $N = 59$ adopted link ENSDF link

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

BE = 899.918 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
105PD 1	0.000	5/2+			1 STABLE
105PD 2	0.281	3/2+			2 47 PS 5
105PD 3	0.306	7/2+			3 71 PS 8
105PD 4	0.319	5/2+			4 33 PS 5
105PD 5	0.345	1/2+			5 0.91 NS 5
105PD 6				0.443 (7/2)+	6 1.2 PS 6
105PD 7			0.489 11/2-		7 35.5 US 5
105PD 8				0.535	8
105PD 9	0.561	3/2+			9 1.9 PS 5
105PD 10			0.645 7/2-		10 126 PS 2
105PD 11				0.651 (3/2)+	11 7 PS LT
105PD 12	0.673	1/2+			12 5.0 PS 5
105PD 13				0.697 (7/2+)	13 11 PS LT
105PD 14	0.728	5/2+			14 7 PS LT
105PD 15	0.782	9/2+			15 1.58 PS 14
105PD 16				0.785 (1/2+:9/2+)	16
105PD 17				0.808	17
105PD 18	0.902	9/2+			18
105PD 19				0.921 (1/2+:5/2+)	19
105PD 20				0.930 (5/2+)	20
105PD 21				0.945	21
105PD 22				0.962 (1/2,3/2)+	22 0.2 PS LT
105PD 23			0.970 15/2-		23
105PD 24				0.970 (1/2+:7/2+)	24
105PD 25				1.011 (11/2+)	25
105PD 26				1.072 (5/2+,7/2+,9/2+)	26
105PD 27				1.075 (3/2+)	27
105PD 28			1.088 3/2-		28
105PD 29				1.098 (5/2+,7/2+,9/2+)	29
105PD 30				1.102 (1/2+:5/2+)	30
105PD 31				1.125 (1/2+:7/2+)	31
105PD 32				1.142 (1/2+,3/2+)	32
105PD 33				1.178 (1/2+,3/2+)	33
105PD 34				1.202 (1/2+,3/2+)	34
105PD 35				1.259 (3/2+)	35
105PD 36				1.271 (11/2)+	36
105PD 37				1.324 (11/2+)	37
105PD 38				1.357 (13/2-)	38

105PD 39				1.405	(3/2+,5/2+)	39
105PD 40				1.411	(13/2+)	40

105PD 41				1.521	(3/2+:7/2+)	41
105PD 42				1.601	(1/2+:5/2+)	42
105PD 43				1.651	(7/2-)	43
105PD 44				1.671	(13/2)+	44
105PD 45				1.701	(1/2+:9/2+)	45
105PD 46		1.742	19/2-			46
105PD 47				1.750	(13/2)+	47
105PD 48				1.763	(15/2)-	48
105PD 49				1.775	(1/2+:9/2+)	49
105PD 50				1.854	(13/2+)	50

105PD 51				1.866	(1/2+:7/2+)	51
105PD 52				1.874	(15/2+)	52
105PD 53				1.902	(15/2)+	53
105PD 54				1.923	(1/2+,3/2+)	54
105PD 55				1.961	(17/2)-	55
105PD 56				1.989	(1/2,3/2,5/2)+	56
105PD 57				2.065	(1/2+,3/2+)	57
105PD 58				2.102	(7/2-,9/2,11/2+)	58
105PD 59				2.197	(15/2)+	59
105PD 60				2.281	(15/2,17/2)-	60

105PD 61				2.345	(19/2)-	61
105PD 62				2.420		62
105PD 63				2.491	(19/2-)	63
105PD 64				2.552	(17/2)+	64
105PD 65				2.565	(17/2)+	65
105PD 66				2.613		66
105PD 67		2.700	23/2-			67
105PD 68				2.704	(19/2)-	68
105PD 69		2.756	19/2+			69
105PD 70				2.776	(21/2-)	70

105PD 71				2.806	(19/2)+	71

S-alpha=	2.885	(0.001)	-----			
105PD 72				2.901	(21/2)-	72
105PD 73				3.073	(21/2)+	73
105PD 74				3.119	(21/2)+	74
105PD 75				3.153	(23/2)-	75
105PD 76		3.295	23/2+			76
105PD 77				3.320		77
105PD 78				3.469	(23/2)+	78
105PD 79				3.528	(25/2)+	79
105PD 80				3.570		80

105PD 81				3.690		81
105PD 82				3.694	(25/2-)	82

105PD 83				3.800	(27/2-)	83
105PD 84				3.859	(25/2-)	84
105PD 85		3.873	27/2+			85
105PD 86				4.000		86
105PD 87				4.110		87
105PD 88				4.254	(29/2)+	88
105PD 89				4.510		89
105PD 90				4.668	(31/2+)	90

105PD 91				4.690		91
105PD 92				4.783	(29/2-)	92
105PD 93				4.840		93
105PD 94				4.953	(31/2-)	94
105PD 95				4.956	(29/2-)	95
105PD 96				5.255	(33/2+)	96
105PD 97				5.682	(35/2+)	97
105PD 98				5.847	(33/2-)	98
105PD 99				6.073	(35/2-)	99
105PD 100				6.860	(39/2+)	100

105PD 101				6.995	(37/2-)	101
S-n	=	7.094	(0.002)	-----		
105PD 102				7.095		102 5.1 FS 8
105PD 103				7.193	(39/2-)	103
105PD 104				8.127	(43/2+)	104
105PD 105				8.297	(41/2-)	105
105PD 106				8.410	(43/2-)	106
S-p	=	8.748	(0.003)	-----		
105PD 107				9.440	(47/2+)	107

S-p	=	8.748	(0.003)	-----		
S-n	=	7.094	(0.002)	-----		
S-2p	=	15.729	(0.001)	-----		
S-2n	=	17.104	(0.001)	-----		
S-alpha	=	2.885	(0.001)	-----		
S+p	=	-5.813	(0.003)			
S+n	=	-9.561	(0.002)			
S+2p	=	-13.150	(0.002)			
S+2n	=	-16.097	(0.002)			
S+alpha	=	-2.511	(0.002)			
gap p	=	2.934	(0.004)			
gap n	=	-2.467	(0.002)			
gap 2p	=	2.578	(0.002)			
gap 2n	=	1.006	(0.002)			
gap alpha	=	0.373	(0.002)			