

$^{153}\text{Pm}$        $Z = 61$        $N = 92$       adopted link      ENSDF link

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

BE = 1257.837 ( 0.009) MeV

Qbeta- = 1.912 ( 0.009) MeV

	Energy T	J+	J-	J-other	T1/2
153PM 1			0.000	5/2-	1 5.25 M 2
153PM 2	0.032	5/2+			2 1.2 NS 1
153PM 3			0.066	7/2-	3
153PM 4	0.105	7/2+			4 0.44 NS 2
153PM 5			0.151	9/2-	5
153PM 6				0.199 (9/2+)	6
153PM 7			0.253	11/2-	7
153PM 8				0.311 (11/2+)	8
153PM 9				0.377 (13/2-)	9
153PM 10				0.431 (13/2+)	10
153PM 11	0.451	3/2+			11
153PM 12	0.507	5/2+			12
153PM 13				0.512 (15/2-)	13
153PM 14				0.560	14
153PM 15	0.586	7/2+			15
153PM 16				0.628	16
153PM 17				0.678 (17/2-)	17
153PM 18				0.682	18
153PM 19				0.706 1/2+,3/2+,5/2+	19
153PM 20	0.771	5/2+			20
153PM 21				0.780 3/2+,5/2+	21
153PM 22	0.791	3/2+			22
153PM 23				0.845 (19/2-)	23
153PM 24				0.850 (7/2+)	24
153PM 25				0.935	25
153PM 26				0.960 (3/2-)	26
153PM 27	0.967	7/2+			27
153PM 28				1.000 (7/2-)	28
153PM 29				1.014	29
153PM 30				1.019	30
153PM 31			1.022	7/2-	31
153PM 32				1.051 (21/2-)	32
153PM 33				1.113 (1/2,3/2,5/2)+	33
153PM 34				1.115	34
153PM 35			1.152	11/2-	35
153PM 36				1.161	36
153PM 37				1.176	37

153PM 38				1.179	(3/2+)	38
153PM 39				1.202		39
153PM 40		1.208	3/2+			40
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153PM 41				1.213		41
153PM 42				1.226		42
153PM 43				1.243	(23/2-)	43
153PM 44				1.257		44
153PM 45				1.262	(5/2+)	45
153PM 46				1.273	7/2+,9/2+	46
153PM 47				1.296		47
153PM 48				1.311		48
153PM 49		1.345	7/2+			49
153PM 50				1.376		50
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153PM 51				1.437		51
153PM 52				1.476		52
153PM 53				1.491	(25/2-)	53
153PM 54				1.629		54
153PM 55				1.702		55
153PM 56				1.703	(27/2-)	56
153PM 57				1.732		57
153PM 58				1.737		58
153PM 59				1.763		59
153PM 60				1.776		60
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153PM 61				1.794		61
153PM 62				1.825		62
153PM 63				1.829		63
153PM 64				1.837		64
153PM 65				1.850		65
153PM 66				1.869		66
153PM 67				1.953		67
153PM 68				1.988		68
153PM 69				1.989	(29/2-)	69
153PM 70				1.998		70
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153PM 71				2.005		71
153PM 72				2.009		72
153PM 73				2.032		73
S-alpha=	2.034	( 0.013)	-----			
153PM 74				2.035		74
153PM 75				2.060		75
153PM 76				2.138		76
153PM 77				2.221		77
153PM 78				2.280		78
153PM 79				2.333		79
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S-p	=	7.787	( 0.026)	-----		

S-n = 7.465 ( 0.027)-----  
S-2p = 18.446 ( 0.015)-----  
S-2n = 13.404 ( 0.010)-----  
S-alpha= 2.034 ( 0.013)-----

S+p = -9.096 ( 0.009)  
S+n = -5.690 ( 0.027)  
S+2p = -15.748 ( 0.009)  
S+2n = -12.435 ( 0.010)  
S+alpha = -1.236 ( 0.010)

gap p = -1.309 ( 0.028)  
gap n = 1.775 ( 0.038)  
gap 2p = 2.698 ( 0.017)  
gap 2n = 0.970 ( 0.014)  
gap alpha = 0.798 ( 0.017)