

^{141}Pm $Z = 61$ $N = 80$ adopted link ENSDF link

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

BE = 1170.856 (0.014) MeV

Qbeta+ = 3.669 (0.014) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-0.254	(0.016)	-----		
141PM 1	0.000	5/2+			1 20.90 M 5
141PM 2	0.197	7/2+			2 0.23 NS 3
141PM 3	0.404	3/2+			3
141PM 4				0.439 (1/2)+	4
141PM 5			0.629 11/2-		5 0.63 US 2
141PM 6	0.728	3/2+			6
141PM 7				0.805	7
141PM 8	0.837	9/2+			8
141PM 9				0.859	9
141PM 10	0.974	11/2+			10 1.0 NS LT

141PM 11				1.046	11
141PM 12			1.056 11/2-		12
141PM 13	1.108	9/2+			13
141PM 14	1.153	7/2+			14
141PM 15				1.167 (9/2)-	15
141PM 16	1.243	7/2+			16
141PM 17				1.293 (3/2)+	17
141PM 18			1.313 13/2-		18
141PM 19				1.360 11/2,7/2	19
141PM 20				1.415 (9/2-)	20

141PM 21				1.496 (1/2,3/2)+	21
141PM 22			1.511 15/2-		22
141PM 23				1.515	23
141PM 24				1.573	24
141PM 25				1.693	25
141PM 26				1.795	26
141PM 27				1.802	27
141PM 28				1.834	28
141PM 29				1.875	29
141PM 30				1.885	30

141PM 31				1.892 (19/2-)	31
141PM 32				1.903 (1/2,3/2)+	32
141PM 33				1.970 15/2(+)	33
141PM 34			1.983 9/2-		34
141PM 35				1.992	35
141PM 36				2.005 (1/2,3/2)+	36

141PM	37			2.015	15/2-				37
141PM	38					2.038	(1/2,3/2)+		38
141PM	39					2.063			39
141PM	40			2.092	11/2-				40

141PM	41					2.098			41
141PM	42					2.119	(9/2,11/2,13/2)-		42
141PM	43					2.138	13/2(+)		43
141PM	44					2.172			44
141PM	45			2.239	19/2-				45
141PM	46					2.350	19/2(-)	54 NS	5
141PM	47					2.361			47
141PM	48					2.382	15/2(-)		48
141PM	49			2.510	19/2-				49
141PM	50					2.531		2 US	GT

141PM	51					2.554	21/2(-),17/2(-)		51
141PM	52					2.574		2 US	GE
141PM	53					2.623	17/2(+)		53
141PM	54					2.624			54
141PM	55					2.640	21/2(-)		55
141PM	56					2.642	17/2(-)		56
141PM	57					2.662	21/2(-)		57
141PM	58					2.702			58
141PM	59					2.703	21/2		59
141PM	60					2.810	21/2(-)		60

141PM	61					2.825	(25/2-)		61
141PM	62					2.841			62
141PM	63					2.900	23/2(-)	0.7 NS	LE
141PM	64					3.079	27/2(-)		64
141PM	65					3.099		0.7 NS	LE
141PM	66					3.123	25/2(-)	0.7 NS	LE
141PM	67					3.158	23/2(-)	0.7 NS	LE
141PM	68					3.247	25/2(-)	0.7 NS	LE
141PM	69					3.257	31/2(-)		69
141PM	70					3.333	33/2(-)		70

141PM	71					3.466	25/2(-)	0.7 NS	LE
S-p	=		3.555	(0.014)	-----				
141PM	72					3.582	27/2(-)		72
141PM	73					3.703	25/2(-)	0.7 NS	LE
141PM	74					3.728	23/2(-)		74
141PM	75					3.885	27/2(-)	0.7 NS	LE
141PM	76					3.983	27/2(-)		76
141PM	77					4.064	27/2(-)	0.7 NS	LE
141PM	78					4.076	(27/2-)	0.7 NS	LE
141PM	79					4.116	27/2(-)		79
141PM	80					4.271	31/2(-)		80

141PM 81			4.335	35/2(-)	81	
141PM 82			4.350	29/2(-)	82	
141PM 83			4.376	(25/2-)	83	
141PM 84			4.515	37/2(-)	84	
141PM 85			4.626	29/2(-)	85	0.7 NS LE
141PM 86			4.684	35/2(-)	86	
141PM 87			4.722	29/2(-)	87	0.7 NS LE
141PM 88			4.773	39/2(-)	88	
141PM 89			4.822	31/2(-)	89	
141PM 90			4.862	31/2(-)	90	0.7 NS LE

141PM 91			4.917	35/2(-)	91	
141PM 92			4.917	31/2(-)	92	0.7 NS LE
141PM 93			4.938	37/2(-)	93	
141PM 94			5.047	39/2(-)	94	
141PM 95			5.088	41/2(-)	95	
141PM 96			5.095	33/2(-)	96	0.7 NS LE
141PM 97			5.152	(37/2-)	97	
141PM 98			5.338	37/2(-)	98	0.7 NS LE
141PM 99			5.400	33/2(-)	99	
141PM 100			5.408	35/2(-)	100	

141PM 101			5.436		101	0.7 NS LE
141PM 102			5.460	43/2(-)	102	
141PM 103			5.483	41/2(-)	103	
141PM 104			5.513	(39/2-)	104	
141PM 105			5.763	37/2(-)	105	
141PM 106			5.774	39/2(-)	106	
141PM 107			5.902	45/2(-)	107	
141PM 108			5.999	43/2(-)	108	
141PM 109			6.025	(39/2-)	109	
141PM 110			6.085	35/2(-)	110	

141PM 111			6.244	(41/2-)	111	
141PM 112			6.354	45/2(-)	112	
141PM 113			6.403	43/2(-)	113	
141PM 114			6.480	(43/2-)	114	
141PM 115			6.699	43/2(-)	115	
141PM 116			6.793	(45/2-)	116	
141PM 117			6.815	47/2(-)	117	
141PM 118			7.122	47/2(-)	118	
141PM 119			7.123	(47/2-)	119	
141PM 120			7.354	49/2(-)	120	

S-p = 3.555 (0.014)-----
S-n = 10.382 (0.028)-----
S-2p = 10.272 (0.014)-----
S-2n = 19.165 (0.019)-----

S-alpha= -0.254 (0.016)-----

S+p = -5.748 (0.014)

S+n = -8.690 (0.027)

S+2p = -8.296 (0.018)

S+2n = -18.580 (0.014)

S+alpha = 0.106 (0.014)

gap p = -2.193 (0.020)

gap n = 1.692 (0.039)

gap 2p = 1.976 (0.023)

gap 2n = 0.584 (0.024)

gap alpha = -0.147 (0.022)