

$^{141}\text{Nd}$        $Z = 60$        $N = 81$       adopted link      ENSDF link

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

BE = 1175.307 ( 0.003) MeV

Qbeta+ = 1.823 ( 0.004) MeV

	Energy T	J+	J-	J-other	T1/2
141ND 1	0.000	3/2+			1 2.49 H 3
141ND 2	0.194	1/2+			2 1.17 NS 15
S-alpha= 0.698 ( 0.003)					
141ND 3			0.757	11/2-	3 62.0 S 8
141ND 4	1.223	5/2+			4
141ND 5	1.345	7/2+			5
141ND 6				1.403 (7/2-)	6
141ND 7			1.416	7/2-	7
141ND 8				1.565 (3/2+)	8
141ND 9				1.582	9
141ND 10				1.597 (5/2,3/2+)	10
141ND 11				1.625 (9/2)	11
141ND 12				1.671	12
141ND 13				1.715	13
141ND 14				1.805	14
141ND 15				1.808	15
141ND 16				1.820 5/2+,3/2+	16
141ND 17				1.871	17
141ND 18				1.876	18
141ND 19	1.890	1/2+			19
141ND 20				1.897	20
141ND 21	1.968	7/2+			21
141ND 22				2.011	22
141ND 23				2.019	23
141ND 24				2.050 13/2(-)	24 1 NS LT
141ND 25				2.066 3/2+,5/2+	25
141ND 26				2.074 (3/2+,5/2+)	26
141ND 27				2.109 3/2+,5/2+	27
141ND 28				2.145	28
141ND 29	2.180	1/2+			29
141ND 30				2.203	30
141ND 31				2.209 (11/2)-	31
141ND 32				2.221	32
141ND 33				2.247 (7/2-,5/2-)	33
141ND 34				2.265	34
141ND 35	2.304	7/2+			35
141ND 36				2.312 7/2+,(9/2+)	36

141ND 37				2.313	11/2-, 9/2-	37
141ND 38				2.327	15/2(-)	38
141ND 39				2.336	(7/2+)	39
141ND 40				2.349	(11/2-, 9/2-)	40
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141ND 41				2.349	13/2	41
141ND 42				2.354	(3/2, 5/2+)	42
141ND 43				2.366		43
141ND 44				2.371		44
141ND 45		2.389	7/2+			45
141ND 46				2.430		46
141ND 47				2.440		47
141ND 48				2.460		48
141ND 49				2.463		49
141ND 50				2.505	3/2+, 5/2+	50
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141ND 51				2.515	(7/2)+	51
141ND 52				2.537	15/2(-)	52
141ND 53				2.542	(17/2-)	53
141ND 54				2.581	(7/2-, 5/2-)	54
141ND 55				2.616	(9/2-, 11/2-)	55
141ND 56				2.619		56
141ND 57				2.643		57
141ND 58				2.705		58
141ND 59				2.733		59
141ND 60				2.764		60
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141ND 61				2.804	(3/2+, 5/2+)	61
141ND 62				2.805	13/2(-)	62
141ND 63				2.830	15/2(-)	63
141ND 64				2.838		64
141ND 65				2.865		65
141ND 66				2.886	17/2(-)	66

S-p = 6.794 ( 0.007)-----  
S-n = 8.006 ( 0.005)-----  
S-2p = 11.812 ( 0.004)-----  
S-2n = 18.317 ( 0.028)-----  
S-alpha= 0.698 ( 0.003)-----

S+p = -4.239 ( 0.024)  
S+n = -9.830 ( 0.003)  
S+2p = -9.903 ( 0.004)  
S+2n = -15.953 ( 0.003)  
S+alpha = 1.115 ( 0.004)

gap p = 2.555 ( 0.025)  
gap n = -1.824 ( 0.006)  
gap 2p = 1.908 ( 0.006)

gap 2n = 2.364 ( 0.028)  
gap alpha = 1.813 ( 0.005)