

$^{134}\text{Nd}$        $Z = 60$        $N = 74$       [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 1110.262 ( 0.012) MeV

Qbeta+ = 2.882 ( 0.024) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-1.352	( 0.030)	-----		
134ND 1	0.000	0+			1 8.5 M 15
134ND 2	0.294	2+			2 64.4 PS 18
134ND 3				0.754 (2+)	3
134ND 4	0.789	4+			4 3.42 PS 7
134ND 5				1.089 (3+)	5
134ND 6				1.313 (4+)	6
134ND 7				1.384	7
134ND 8	1.420	6+			8 1.13 PS 4
134ND 9				1.605	9
134ND 10				1.669	10
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134ND 11				1.671	11
134ND 12				1.698 (5+)	12
134ND 13				1.911 (6+)	13
134ND 14				1.956 (5-)	14
134ND 15				2.036	15
134ND 16	2.126	8+			16 0.71 PS 7
134ND 17				2.231	17
134ND 18				2.293 (8-)	18 410 US 30
134ND 19				2.341 (7-)	19
134ND 20				2.412 (6-)	20
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134ND 21				2.467 (8+)	21 0.85 PS 21
134ND 22				2.720 (9-)	22
134ND 23				2.728 (8-)	23 17.2 PS 12
134ND 24	2.817	10+			24 0.49 PS 3
134ND 25				2.841 (9-)	25
134ND 26				3.052 (10+)	26 3.39 PS 16
134ND 27				3.164 (10+)	27
134ND 28				3.182 (10-)	28
134ND 29				3.200 (10-)	29 4.71 PS 14
134ND 30				3.437 (12+)	30 7.49 PS 21
-----					
134ND 31				3.453 (11-)	31
134ND 32	3.483	12+			32 0.43 PS 3
134ND 33				3.653 (11-)	33
134ND 34				3.863 (12-)	34
134ND 35				4.028 (14+)	35
134ND 36				4.130 (12-)	36

134ND	37				4.175	(13-)	37
134ND	38	4.184	14+				38
134ND	39				4.239	(12-)	39
134ND	40				4.372	(11-)	40
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134ND	41				4.377	(11-)	41
134ND	42				4.513	(12-)	42
134ND	43				4.592	(13-)	43
134ND	44				4.608	(14-)	44
134ND	45				4.713	(13-)	45
134ND	46				4.777	(16+)	46
134ND	47	4.943	16+				47
134ND	48				4.948	(15-)	48
134ND	49				4.984	(14-)	49
134ND	50				4.993	(14-)	50
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S-p	=	4.998 ( 0.017)		-----			
134ND	51				4.999	(14-)	51
134ND	52				5.200	(15-)	52
134ND	53				5.346	(16-)	53
134ND	54				5.361	(15-)	54
134ND	55				5.456	(16-)	55
134ND	56				5.629	(18+)	56
134ND	57				5.711	(17-)	57
134ND	58				5.769	(17-)	58
134ND	59	5.778	18+				59
134ND	60				5.789	(16-)	60
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134ND	61				6.082	(18-)	61
134ND	62				6.138	(18-)	62
134ND	63				6.270	(17-)	63
134ND	64				6.300	(17-)	64
134ND	65				6.488	(19-)	65
134ND	66				6.531	(20+)	66
134ND	67				6.544	(19-)	67
134ND	68	6.711	20+				68
134ND	69				6.786	(18-)	69
134ND	70				6.831	(18+)	70
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134ND	71				6.891	(20-)	71
134ND	72				6.936	(20-)	72
134ND	73				6.962	(19-)	73
134ND	74				6.966	(19-)	74
134ND	75				6.968	(19-)	75
134ND	76				7.292	(19-)	76
134ND	77				7.350	(21-)	77
134ND	78				7.358	(21-)	78
134ND	79				7.468	(22+)	79
134ND	80				7.558	(20+)	80
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134ND	81			7.701	(21-)	81
134ND	82			7.745	(22+)	82
S-2p = 7.753 ( 0.024)-----						
134ND	83			7.805	(22-)	83
134ND	84			7.814	(22-)	84
134ND	85			8.323	(22+)	85
134ND	86			8.328	(23-)	86
134ND	87			8.331	(23-)	87
134ND	88			8.453	(24+)	88
134ND	89			8.510	(23-)	89
134ND	90			8.813	(24-)	90
-----						
134ND	91			8.870	(24+)	91
134ND	92			8.897	(24-)	92
134ND	93			9.144	(24+)	93
134ND	94			9.371	(25-)	94
134ND	95			9.386	(25-)	95
134ND	96			9.502	(26+)	96
134ND	97			9.511	(25-)	97
134ND	98			9.901	(26-)	98
134ND	99			10.043	(26+)	99
134ND	100			10.080	(26+)	100
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134ND	101			10.168	(26-)	101
134ND	102			10.328	(27-)	102
134ND	103			10.339	(27-)	103
134ND	104			10.616	(28+)	104
134ND	105			10.862	(27-)	105
134ND	106			11.015	(28+)	106
134ND	107			11.050	(28-)	107
134ND	108			11.314	(28+)	108
134ND	109			11.336	(29-)	109
134ND	110			11.366	(29-)	110
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S-n = 11.385 ( 0.048)-----						
134ND	111			11.787	(30+)	111
134ND	112			12.058	(30+)	112
134ND	113			12.247	(30-)	113
134ND	114			12.411	(31-)	114
134ND	115			12.469	(31-)	115
134ND	116			12.584	(30+)	116
134ND	117			12.938	(32+)	117
134ND	118			13.164	(32+)	118
134ND	119			13.554	(33-)	119
134ND	120			13.650	(33-)	120
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134ND	121			14.122	(34+)	121
134ND	122			14.323	(34+)	122
134ND	123			14.770	(35-)	123
134ND	124			14.911	(35-)	124

134ND 125				15.375	(36+)	125
134ND 126				15.533	(36+)	126
134ND 127				16.060	(37-)	127
134ND 128				16.255	(37-)	128
134ND 129				16.700	(38+)	129
134ND 130				16.802	(38+)	130
-----						
134ND 131				17.428	(39-)	131
134ND 132				17.685	(39-)	132
134ND 133				18.095	(40+)	133
134ND 134				18.147	(40+)	134
134ND 135				18.876	(41-)	135
134ND 136				19.203	(41-)	136
134ND 137				19.521	(42+)	137

S-p = 4.998 ( 0.017)-----  
S-n = 11.385 ( 0.048)-----  
S-2p = 7.753 ( 0.024)-----  
S-2n = 20.363 ( 0.027)-----  
S-alpha= -1.352 ( 0.030)-----

S+p = -1.695 ( 0.076)  
S+n = -8.639 ( 0.023)  
S+2p = -5.743 ( 0.017)  
S+2n = -19.696 ( 0.017)  
S+alpha = 1.724 ( 0.017)

gap p = 3.303 ( 0.078)  
gap n = 2.747 ( 0.053)  
gap 2p = 2.011 ( 0.029)  
gap 2n = 0.668 ( 0.032)  
gap alpha = 0.372 ( 0.035)