

^{162}Yb $Z = 70$ $N = 92$ [link to full NNDC output](#)

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

BE = 1312.615 (0.015) MeV

Qbeta+ = 1.651 (0.030) MeV

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

S-alpha=	-3.052	(0.030)	-----		
162YB 1	0.000	0+			1 18.87 M 19
162YB 2	0.167	2+			2 415 PS 9
162YB 3	0.487	4+			3 14.3 PS 6
162YB 4	0.798	2+			4
162YB 5	0.924	6+			5 3.47 PS 21
162YB 6	0.992	3+			6
162YB 7	1.006	0+			7
162YB 8	1.130	2+			8
162YB 9				1.150	2+,3,4+ 9
162YB 10				1.198	2+,3,4+ 10

162YB 11				1.337	2+,3,4+ 11
162YB 12				1.343	12
162YB 13	1.379	2+			13
162YB 14				1.398	1,2+ 14
162YB 15	1.446	8+			15 1.1 PS 3
162YB 16				1.455	16
162YB 17				1.483	17
162YB 18				1.501	18
162YB 19				1.553	2+,3,4+ 19
162YB 20				1.568	20

162YB 21				1.573	6+:8+ 21
162YB 22				1.609	22
162YB 23				1.637	1,2+ 23
162YB 24				1.638	24
162YB 25	1.647	6+			25
162YB 26				1.673	26
162YB 27				1.677	2+,3,4+ 27
162YB 28				1.717	28
162YB 29				1.741	29
162YB 30			1.768	7-	30

162YB 31				1.854	31
162YB 32				1.861	1,2+ 32
162YB 33				1.939	2+,3,4+ 33
162YB 34	1.985	8+			34 1.5 PS 2
162YB 35	2.024	10+			35 0.9 PS 3
162YB 36				2.050	36

162YB 37						2.059		2+,3,4+		37	
162YB 38						2.092				38	
162YB 39						2.099		1,2+		39	
162YB 40				2.153	9-					40 0.54 PS 5	

162YB 41						2.270				41	
162YB 42				2.280	8-					42 2.3 PS 5	
162YB 43						2.399				43	
162YB 44		2.425	10+							44 1.3 PS +3-1	
162YB 45						2.447		1,2+		45	
162YB 46						2.550				46	
162YB 47				2.572	10-					47 9.6 PS 8	
162YB 48				2.605	11-					48 0.62 PS 5	
162YB 49		2.634	12+							49 1.0 PS +5-8	
162YB 50						2.790				50	

162YB 51		2.806	12+							51 4.4 PS 6	
162YB 52						2.815				52	
162YB 53						2.826				53	
162YB 54				2.938	12-					54 8.3 PS 19	
162YB 55						2.997				55	
162YB 56				3.077	13-					56	
162YB 57		3.127	14+							57 28 PS 10	
162YB 58		3.257	14+							58	
162YB 59				3.417	14-					59 1.8 PS +4-13	
162YB 60		3.579	16+							60 3.3 PS 2	

162YB 61				3.597	15-					61	
162YB 62		3.879	16+							62	
162YB 63				3.972	16-					63 0.8 PS 3	
162YB 64		4.149	18+							64 1.9 PS 3	
162YB 65				4.185	17-					65	
162YB 66		4.495	18+							66	
162YB 67				4.562	18-					67	
162YB 68				4.821	19-					68 0.38 PS +16-31	
162YB 69		4.822	20+							69	
162YB 70		5.146	20+							70	

162YB 71				5.169	20-					71	
S-p	=	5.217	(0.032)	-----							
162YB 72				5.482	21-					72	
162YB 73		5.585	22+							73	
162YB 74				5.816	22-					74	
162YB 75		5.862	22+							75	
162YB 76				6.174	23-					76	
162YB 77		6.423	24+							77	
162YB 78				6.529	24-					78	
162YB 79		6.652	24+							79	
162YB 80				6.926	25-					80	

162YB 81		7.314	26+					81
162YB 82					7.319	26-		82
162YB 83		7.488	26+					83
162YB 84					7.755	27-		84
162YB 85					8.188	28-		85
162YB 86		8.235	28+					86
162YB 87								87
S-2p	=	8.340	(0.029)	-----				
162YB 88					8.661	29-		88
162YB 89					9.125	30-		89
162YB 90								90

162YB 91					9.606	31-		91
S-n	=	10.058	(0.022)	-----				
162YB 92					10.067	32-		92
162YB 93								93
162YB 94					10.502	(33-)		93
162YB 95					10.969	(34-)		94
162YB 96					11.420	(35-)		95
162YB 97					11.918	(36-)		96
162YB 98					12.392	(37-)		97
S-p	=	5.217	(0.032)	-----				
S-n	=	10.058	(0.022)	-----				
S-2p	=	8.340	(0.029)	-----				
S-2n	=	17.806	(0.017)	-----				
S-alpha	=	-3.052	(0.030)	-----				
S+p	=	-2.254	(0.032)					
S+n	=	-7.544	(0.022)					
S+2p	=	-6.570	(0.022)					
S+2n	=	-17.334	(0.022)					
S+alpha	=	3.542	(0.032)					
gap p	=	2.963	(0.045)					
gap n	=	2.514	(0.031)					
gap 2p	=	1.770	(0.036)					
gap 2n	=	0.473	(0.028)					
gap alpha	=	0.490	(0.043)					