^{166}Yb $Z = 70$ $N = 96$ adopted link ENSDF link

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

BE = 1346.668 (0.007) MeV
Qbeta+ = 0.293 (0.014) MeV

	Energy	T	J+		J-		J-other		T1/2	
S-alpha= -2.316 (0.007)										
166YB 1	0.000		0+					1	56.7 H	1
166YB 2	0.102		2+					2	1.24 NS	6
166YB 3	0.330		4+					3	52.9 PS	17
166YB 4	0.668		6+					4	7.8 PS	3
166YB 5					0.932		(2)+	5		
166YB 6					1.039		(3)+	6		
166YB 7					1.043		(0+)	7		
166YB 8	1.098		8+					8	2.14 PS	24
166YB 9					1.144		(2+)	9		
166YB 10					1.163		(4)+	10		
166YB 11					1.315			11		
166YB 12					1.328		(5)+	12		
166YB 13					1.342		(4+)	13		
166YB 14				1.359		1-		14		
166YB 15					1.386		(2+,3,4+)	15		
166YB 16					1.419		(3)-	16		
166YB 17					1.451			17		
166YB 18					1.482		(6)+	18		
166YB 19					1.503		(2-)	19		
166YB 20					1.505		(5)-	20		
166YB 21				1.530		1-		21		
166YB 22					1.571		(5)-	22		
166YB 23					1.580		(2+)	23		
166YB 24	1.606		10+					24	1.0 PS	5
166YB 25					1.607		(2+,3,4+)	25		
166YB 26	1.608		6+					26		
166YB 27					1.617		(4-)	27		
166YB 28					1.685		(2+,3,4+)	28		
166YB 29					1.705		(7)+	29		
166YB 30					1.725		(6+,7+)	30		
166YB 31					1.744		(3+,4+)	31		
166YB 32					1.790		(5-)	32		
166YB 33					1.812		(8+)	33		
166YB 34					1.818		(4+,5,6+)	34		
166YB 35					1.833		(7)-	35		
166YB 36					1.835		(6-)	36		

166YB	37	1.853	8+			1.865	(6)-	37	
166YB	38					1.923	(1,2+)	38	
166YB	39					1.941	(9)-	39	
166YB	40					1.957	(5,6)+	40	
166YB	41			1.959	7-			41	
166YB	42					2.016	(4+,5,6+)	42	
166YB	43					2.029	(3-,4-)	43	
166YB	44	2.030	8+					44	
166YB	45					2.072	(8-)	45	
166YB	46			2.099	1-			46	
166YB	47					2.137	(8-)	47	
166YB	48					2.143	(10)+	48	
166YB	49					2.150	(9)+	49	
166YB	50					2.166	(6,7)+	50	
166YB	51	2.176	12+					51	0.64 PS 33
166YB	52					2.210	(9)-	52	
166YB	53	2.215	10+					53	
166YB	54					2.233	6-,7-	54	10 NS LT
166YB	55					2.320	(10+)	55	
166YB	56					2.361	(10-)	56	
166YB	57					2.418	(11)-	57	
166YB	58					2.426	1-	58	
166YB	59					2.491	(10-)	59	
166YB	60	2.531	12+					60	
166YB	61					2.610	(12+)	61	
166YB	62					2.647	(11)+	62	
166YB	63					2.729	(12-)	63	
166YB	64	2.780	14+					64	0.51 PS 30
166YB	65					2.863	(13)-	65	
166YB	66					2.892	(12-)	66	
166YB	67	2.898	14+					67	
166YB	68					3.167	(14-)	68	
166YB	69					3.197	(13+)	69	
166YB	70	3.274	16+					70	1.14 PS 27
166YB	71					3.351	(14-)	71	
166YB	72					3.354	(15-)	72	
166YB	73	3.490	16+					73	
166YB	74					3.666	(16-)	74	
166YB	75	3.782	18+					75	0.82 PS 10
166YB	76					3.878	(16-)	76	
166YB	77					3.892	(17)-	77	
166YB	78					4.190	(18+)	78	
166YB	79					4.219	(18-)	79	
166YB	80	4.371	20+					80	0.41 PS 3
166YB	81							81	

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166YB  82 |                |                |   4.471     (18-)          82
166YB  83 |                |                |   4.479     (19)-          83
166YB  84 |                |                |   4.819     (20-)          84
166YB  85 |  4.923     20+ |                |                            85
166YB  86 |  5.037     22+ |                |                            86  0.201 PS  21
166YB  87 |                |                |   5.109     (21-)          87
166YB  88 |                |                |   5.119     (20-)          88
166YB  89 |                |                |   5.469     (22-)          89
166YB  90 |                |                |   5.650     (22+)          90
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166YB  91 |  5.775     24+ |                |                            91  0.125 PS  14
166YB  92 |                |                |   5.783     (23-)          92
166YB  93 |                |                |   5.814     (22-)          93
S-p    =   5.953 ( 0.007)-------------------------------------------------------------------------
166YB  94 |                |                |   6.173     (24-)          94
166YB  95 |                |                |   6.378     (24+)          95
166YB  96 |                |                |   6.508     (25-)          96
166YB  97 |                |                |   6.552     (24-)          97
166YB  98 |  6.582     26+ |                |                            98   0.083 PS  7
166YB  99 |                |                |   6.940     (26-)          99
166YB 100 |                |                |   7.295     (27-)         100
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166YB 101 |                |                |   7.335     (26-)         101
166YB 102 |  7.452     28+ |                |                           102   0.069 PS  7
166YB 103 |                |                |   7.774     (28-)         103
166YB 104 |                |                |   8.149     (29-)         104
166YB 105 |  8.387     30+ |                |                           105    0.055 PS  7
166YB 106 |                |                |   8.677     (30-)         106
166YB 107 |                |                |   9.071     (31-)         107
S-n    =   9.370 ( 0.027)-------------------------------------------------------------------------
166YB 108 |  9.386     32+ |                |                           108    0.042 PS  7
166YB 109 |                |                |   9.649     (32-)         109


S-p    =   5.953 ( 0.007)-------------------------------------------------------------------------
S-n    =   9.370 ( 0.027)-------------------------------------------------------------------------
S-2p   =  10.229 ( 0.007)-------------------------------------------------------------------------
S-2n   =  16.724 ( 0.017)-------------------------------------------------------------------------
S-alpha=  -2.316 ( 0.007)-------------------------------------------------------------------------

S+p       =  -3.222 ( 0.038)
S+n       =  -7.068 ( 0.008)
S+2p      =  -8.345 ( 0.029)
S+2n      = -16.129 ( 0.007)
S+alpha   =   2.915 ( 0.029)

gap p     =   2.731 ( 0.039)
gap n     =   2.302 ( 0.029)
gap 2p    =   1.884 ( 0.030)
gap 2n    =   0.595 ( 0.018)
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```
gap alpha =   0.599 ( 0.030)
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