^{173}Yb $Z = 70$ $N = 103$ adopted link ENSDF link

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

BE = 1399.125 (0.000) MeV

	Energy	T	J+		J-		J-other		T1/2	
S-alpha= -0.945 (0.000)										
173YB 1				0.000	5/2-			1	STABLE	
173YB 2				0.079	7/2-			2	46 PS	5
173YB 3				0.179	9/2-			3	32 PS	4
173YB 4				0.302	11/2-			4	16.7 PS	15
173YB 5	0.351		7/2+					5	0.45 NS	2
173YB 6				0.399	1/2-			6	2.9 US	1
173YB 7	0.413		9/2+					7		
173YB 8				0.446	13/2-			8	12.2 PS	11
173YB 9				0.461	3/2-			9	0.56 NS	3
173YB 10				0.482	5/2-			10		
173YB 11						0.531		11		
173YB 12						0.564		12		
173YB 13						0.603	(13/2)+	13		
173YB 14				0.611	15/2-			14	7.3 PS	6
173YB 15				0.627	7/2-			15		
173YB 16				0.636	7/2-			16	8.0 PS	26
173YB 17				0.659	9/2-			17		
173YB 18						0.707		18		
173YB 19						0.749	(9/2-)	19		
173YB 20				0.796	17/2-			20	4.3 PS	4
173YB 21						0.882	(11/2-)	21		
173YB 22						0.926		22		
173YB 23				1.002	19/2-			23	2.6 PS	2
173YB 24						1.033	(1/2-)	24		
173YB 25						1.058		25		
173YB 26						1.074	(3/2)-	26		
173YB 27						1.122	(5/2)-	27		
173YB 28						1.143		28		
173YB 29						1.159		29		
173YB 30						1.173	(9/2)-	30		
173YB 31						1.196		31		
173YB 32						1.220	(7/2)-	32		
173YB 33				1.227	21/2-			33	1.81 PS	16
173YB 34						1.232	(3/2)-	34		
173YB 35						1.288		35		
173YB 36						1.306	(9/2-)	36		
173YB 37						1.329		37		

173YB	38			1.341	(3/2)-	38	
173YB	39			1.362	(7/2-)	39	
173YB	40			1.406	(5/2)-	40	
173YB	41			1.438	(5/2-,7/2-)	41	
173YB	42			1.444	(7/2+,9/2+)	42	
173YB	43			1.461		43	
173YB	44		1.472	23/2-		44	1.15 PS 17
173YB	45			1.492	1/2,3/2	45	
173YB	46			1.493	(7/2)-	46	
173YB	47			1.507		47	
173YB	48			1.521		48	
173YB	49			1.531		49	
173YB	50			1.578		50	
173YB	51			1.587	(13/2+)	51	
173YB	52			1.607	(5/2+)	52	
173YB	53			1.620		53	
173YB	54			1.629		54	
173YB	55			1.639		55	
173YB	56			1.665	1/2-,3/2-	56	
173YB	57			1.708	(5/2-,7/2-)	57	
173YB	58			1.721	(9/2+)	58	
173YB	59			1.735	(1/2-,3/2,5/2+)	59	
173YB	60		1.736	25/2-		60	0.60 PS 5
173YB	61			1.746		61	
173YB	62			1.762	(-)	62	
173YB	63			1.776	3/2+,5/2,7/2-	63	
173YB	64			1.787		64	
173YB	65			1.814		65	
173YB	66			1.829		66	
173YB	67			1.839		67	
173YB	68			1.853		68	
173YB	69			1.867	(7/2)-	69	
173YB	70			1.877		70	
173YB	71			1.894	(3/2+,5/2+)	71	
173YB	72			1.910		72	
173YB	73			1.923	(3/2+,5/2+)	73	
173YB	74			1.928		74	
173YB	75			1.933	(1/2-,3/2-)	75	
173YB	76			1.945	3/2+,5/2,7/2-	76	
173YB	77			1.953		77	
173YB	78			1.981		78	
173YB	79			1.988		79	
173YB	80			2.006		80	
173YB	81			2.016		81	
173YB	82			2.018	(27/2-)	82	

173YB 83			2.032	83
173YB 84			2.044	84
173YB 85			2.052	85
173YB 86			2.076	86
173YB 87			2.086	87
173YB 88			2.107	88
173YB 89			2.130	89
173YB 90			2.136	90
173YB 91			2.162	91
173YB 92			2.177	92
173YB 93			2.200	93
173YB 94			2.212	94
173YB 95			2.229	95
173YB 96			2.245	96
173YB 97			2.255	97
173YB 98			2.268	98
173YB 99			2.278	99
173YB 100			2.313	100
173YB 101			2.331	101
173YB 102			2.393	102
173YB 103			2.408	103
173YB 104			2.426	104
173YB 105			2.441	105
173YB 106			2.463	106
173YB 107			2.480	107
173YB 108			2.503	108
173YB 109			2.516	109
173YB 110			2.539	110
173YB 111			2.577	111
173YB 112			2.605	112
173YB 113			2.627	113

S-p = 7.467 (0.005)
S-n = 6.367 (0.000)
S-2p = 14.411 (0.001)
S-2n = 14.387 (0.000)
S-alpha= -0.945 (0.000)

S+p = -5.308 (0.002)
S+n = -7.465 (0.000)
S+2p = -11.509 (0.002)
S+2n = -13.287 (0.000)
S+alpha = 2.246 (0.001)

gap p = 2.159 (0.006)
gap n = -1.098 (0.000)

```
gap 2p    =   2.903 ( 0.003)
gap 2n    =   1.100 ( 0.000)
gap alpha =   1.301 ( 0.001)
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