

^{115}Te $Z = 52$ $N = 63$ adopted link ENSDF link

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

BE = 969.582 (0.028) MeV

Qbeta+ = 4.941 (0.032) MeV

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

S-alpha=	-1.451	(0.028)	-----		
115TE 1	0.000	7/2+			1 5.8 M 2
115TE 2				0.020 (1/2)+	2 6.7 M 4
115TE 3			0.280 11/2-		3 7.5 US 2
115TE 4				0.761 (9/2-)	4
115TE 5	0.872	11/2+			5
115TE 6			0.931 15/2-		6
115TE 7			1.145 13/2-		7
115TE 8				1.272 (13/2-)	8
115TE 9			1.654 19/2-		9
115TE 10	1.750	15/2+			10

115TE 11			1.834 17/2-		11
115TE 12				2.001	12
115TE 13				2.224 (17/2-)	13
115TE 14			2.287 23/2-		14
115TE 15	2.467	19/2+			15
115TE 16			2.517 21/2-		16
115TE 17			2.639 23/2-		17
115TE 18				2.834 (21/2-)	18
115TE 19	3.193	23/2+			19
115TE 20	3.209	23/2+			20

115TE 21			3.326 27/2-		21
115TE 22	3.331	25/2+			22
115TE 23				3.389 (23/2-)	23
115TE 24				3.529 (25/2-)	24
115TE 25				3.600 (27/2-)	25
115TE 26				3.664 27/2(-)	26
115TE 27	3.675	27/2+			27
115TE 28				3.683 27/2(-)	28
115TE 29				3.773 27/2(+)	29
115TE 30				3.785 (29/2)	30

115TE 31	3.946	27/2+			31
115TE 32				4.123 29/2	32
115TE 33				4.246 (27/2-)	33
115TE 34				4.290 (31/2+)	34
115TE 35				4.290 (29/2-)	35
115TE 36			4.319 31/2-		36

115TE 37		4.371	29/2+				37
115TE 38						4.387 (31/2+)	38
115TE 39						4.500 (31/2-)	39
115TE 40						4.572 (29/2)	40

115TE 41						4.766 (31/2+)	41
115TE 42						4.794	42
115TE 43					4.829 31/2-		43
S-p	=	4.855	(0.034)	-----			
115TE 44						5.014	44
115TE 45						5.069 (33/2-)	45
115TE 46		5.102	35/2+				46
115TE 47						5.149 (31/2-)	47
115TE 48					5.252 35/2-		48
115TE 49					5.318 35/2-		49
115TE 50						5.441	50

115TE 51		5.511	37/2+				51
115TE 52						5.661 (35/2+)	52
115TE 53						5.911 (37/2-)	53
115TE 54						5.938 (37/2)	54
115TE 55						6.071 (35/2-)	55
115TE 56					6.234 39/2-		56
115TE 57						6.320 (39/2-)	57
115TE 58		6.615	41/2+				58
115TE 59						6.624	59
115TE 60						6.838 (41/2-)	60

115TE 61						7.067 (39/2-)	61
115TE 62						7.216 (43/2-)	62
115TE 63						7.361 (43/2-)	63
115TE 64						7.426	64
115TE 65						7.547	65
115TE 66		7.703	45/2+				66
115TE 67						7.799	67
115TE 68						7.813 (45/2+)	68
115TE 69						7.855 (45/2-)	69
115TE 70						8.101	70

115TE 71						8.166 (43/2-)	71
S-n	=	8.245	(0.037)	-----			
S-2p	=	8.313	(0.028)	-----			
115TE 72						8.439 (47/2-)	72
115TE 73		8.464	47/2+				73
115TE 74						9.351 (47/2-)	74
115TE 75						9.562 (51/2-)	75

S-p	=	4.855	(0.034)	-----			
S-n	=	8.245	(0.037)	-----			

S-2p	=	8.313 (0.028)	-----
S-2n	=	19.858 (0.040)	-----
S-alpha	=	-1.451 (0.028)	-----
S+p	=	-2.647 (0.080)	
S+n	=	-11.272 (0.037)	
S+2p	=	-6.701 (0.030)	
S+2n	=	-19.175 (0.031)	
S+alpha	=	0.843 (0.030)	
gap p	=	2.208 (0.087)	
gap n	=	-3.028 (0.052)	
gap 2p	=	1.612 (0.041)	
gap 2n	=	0.683 (0.050)	
gap alpha	=	-0.607 (0.041)	