

^{185}Re $Z = 75$ $N = 110$ adopted link ENSDF link

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

BE = 1478.337 (0.001) MeV

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

S-alpha=	-2.195	(0.002)	-----					
185RE 1	0.000	5/2+						1 STABLE
185RE 2	0.125	7/2+						2 10.2 PS 15
185RE 3	0.284	9/2+						3 5.6 PS 15
185RE 4				0.368	9/2-			4 33 NS 3
185RE 5	0.476	11/2+						5
185RE 6				0.547	11/2-			6
185RE 7	0.646	1/2+						7 6.3 PS 4
185RE 8	0.697	13/2+						8
185RE 9	0.717	3/2+						9 2.6 PS 7
185RE 10				0.757	13/2-			10

185RE 11						0.769 (5/2+)		11
185RE 12						0.826		12
185RE 13						0.836		13
185RE 14	0.875	3/2+						14 1.08 PS 14
185RE 15	0.880	1/2+						15
185RE 16						0.917		16
185RE 17						0.931 (3/2+)		17
185RE 18	0.950	15/2+						18
185RE 19						0.966 (9/2+)		19
185RE 20				0.995	15/2-			20

185RE 21						1.013 (5/2+)		21
185RE 22						1.045 (1/2-)		22
185RE 23						1.143 (3/2-)		23
185RE 24						1.189 (7/2-)		24
185RE 25						1.206 15/2		25 6 NS 2
185RE 26						1.220 1/2,3/2-		26
185RE 27	1.228	17/2+						27
185RE 28				1.262	17/2-			28
185RE 29						1.278		29
185RE 30						1.298		30

185RE 31						1.303 (11/2-)		31
185RE 32						1.343		32
185RE 33						1.410 17/2		33
185RE 34						1.434		34
185RE 35						1.496		35
185RE 36	1.533	19/2+						36
185RE 37						1.538		37

185RE 38				1.549	19/2-			38
185RE 39						1.596	7/2+,9/2+	39
185RE 40						1.634		40

185RE 41						1.651	(3/2)+	41
185RE 42						1.670		42
185RE 43						1.691	19/2	43
185RE 44		1.700	1/2+					44
185RE 45		1.863	21/2+					45
185RE 46				1.866	21/2-			46
185RE 47						2.000	21/2	47
185RE 48						2.009	(19/2)	48
185RE 49						2.124	(21/2)	49
185RE 50				2.191	23/2-			50

185RE 51		2.205	23/2+					51
185RE 52						2.378	(25/2)	52
185RE 53						2.553	(23/2)	53
185RE 54		2.588	25/2+					54
185RE 55						2.817	(27/2)	55
185RE 56		2.942	27/2+					56
185RE 57						3.122	(29/2)	57
185RE 58		3.321	29/2+					58
185RE 59						3.397		59
185RE 60						3.475	(31/2)	60

185RE 61						3.675	(31/2)	61
185RE 62						3.858	(33/2)	62
185RE 63						3.923		63
185RE 64						3.990	(33/2)	64
185RE 65						4.386	(35/2)	65
185RE 66						4.592		66
185RE 67						4.799	(37/2)	67

S-p = 5.403 (0.001)-----
S-n = 7.671 (0.004)-----
S-2p = 13.103 (0.002)-----
S-2n = 14.152 (0.008)-----
S-alpha= -2.195 (0.002)-----

S+p = -6.470 (0.001)
S+n = -6.180 (0.001)
S+2p = -10.308 (0.028)
S+2n = -13.540 (0.001)
S+alpha = 2.945 (0.013)

gap p = -1.067 (0.002)
gap n = 1.491 (0.004)
gap 2p = 2.795 (0.028)

gap 2n = 0.612 (0.008)
gap alpha = 0.750 (0.013)