

^{175}Re $Z = 75$ $N = 100$ adopted link ENSDF link

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

BE = 1399.093 (0.028) MeV

Qbeta+ = 4.344 (0.040) MeV

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

S-alpha=	-4.007 (0.040)				
175RE 1				0.000 (5/2-)	1 5.89 M 5
175RE 2				0.076 (9/2-)	2
175RE 3				0.076 (9/2-)	3
175RE 4				0.125 (5/2+)	4
175RE 5				0.237 (11/2-)	5
175RE 6				0.240 (7/2+)	6
175RE 7				0.272 (13/2-)	7
175RE 8				0.362 (7/2+)	8
175RE 9				0.378 (9/2+)	9
175RE 10				0.428 (13/2-)	10

175RE 11				0.489 (9/2+)	11
175RE 12				0.536 (11/2+)	12
175RE 13				0.587 (17/2-)	13
175RE 14				0.638 (15/2-)	14
175RE 15				0.638 (11/2+)	15
175RE 16				0.710 (13/2+)	16
175RE 17				0.807 (13/2+)	17
175RE 18				0.869 (17/2-)	18
175RE 19				0.899 (15/2+)	19
175RE 20				0.995 (15/2+)	20

175RE 21				1.008 (21/2-)	21
175RE 22				1.080 (13/2+)	22
175RE 23				1.100 (17/2+)	23
175RE 24				1.109 (19/2-)	24
175RE 25				1.198 (17/2+)	25
175RE 26				1.316 (19/2+)	26
175RE 27				1.324 (17/2+)	27
175RE 28				1.365 (21/2-)	28
175RE 29				1.404 (15/2)	29
175RE 30				1.418 (19/2+)	30

175RE 31				1.520 (25/2-)	31
175RE 32				1.543 (21/2+)	32
175RE 33				1.601 (21/2-)	33
175RE 34				1.615 (17/2)	34
175RE 35				1.617 (21/2+)	35
175RE 36				1.625 (23/2-)	36

175RE 37				1.656	(21/2+)	37
175RE 38				1.787	(23/2+)	38
175RE 39				1.794	(19/2)	39
175RE 40				1.898	(23/2+)	40

175RE 41				1.898	(25/2-)	41
175RE 42				1.910	(23/2+)	42
175RE 43				1.944	(21/2)	43
175RE 44				1.992	(25/2+)	44
175RE 45				2.043	(25/2+)	45
175RE 46				2.105	(29/2-)	46
175RE 47				2.121	(23/2)	47
175RE 48				2.169	(25/2+)	48
175RE 49				2.177	(27/2-)	49
175RE 50				2.306	(27/2+)	50

175RE 51				2.323	(25/2)	51
175RE 52				2.326	(27/2+)	52
S-p =	2.350	(0.040)	-----		
175RE 53				2.433	(27/2+)	53
175RE 54				2.440	(29/2+)	54
175RE 55				2.450	(27/2+)	55
175RE 56				2.468	(29/2-)	56
175RE 57				2.549	(27/2)	57
175RE 58				2.577	(29/2+)	58
175RE 59				2.580	(29/2-)	59
175RE 60				2.738	(29/2+)	60

175RE 61				2.740	(33/2-)	61
175RE 62				2.762	(31/2-)	62
175RE 63				2.797	(29/2)	63
175RE 64				2.800	(31/2+)	64
175RE 65				2.951	(33/2+)	65
175RE 66				3.037	(33/2-)	66
175RE 67				3.043	(33/2-)	67
175RE 68				3.043	(33/2-)	68
175RE 69				3.066	(31/2)	69
175RE 70				3.123	(33/2-)	70

175RE 71				3.142	(33/2+)	71
175RE 72				3.172	(33/2-)	72
175RE 73				3.212	(33/2+)	73
175RE 74				3.276	(35/2-)	74
175RE 75				3.352	(35/2+)	75
175RE 76				3.354	(33/2)	76
175RE 77				3.373	(37/2-)	77
175RE 78				3.520	(37/2+)	78
175RE 79				3.523	(37/2-)	79
175RE 80				3.631	(37/2-)	80

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175RE 81				3.658	(35/2)	81
175RE 82				3.796	(39/2-)	82
175RE 83				3.967	(39/2+)	83
175RE 84				3.978	(37/2)	84
175RE 85				4.001	(41/2-)	85
175RE 86				4.093	(41/2-)	86
175RE 87				4.144	(41/2+)	87
175RE 88				4.310	(39/2)	88
175RE 89				4.337	(41/2-)	89
175RE 90				4.414	(43/2-)	90

175RE 91				4.636	(43/2+)	91
175RE 92				4.672	(41/2)	92
175RE 93				4.677	(45/2-)	93
175RE 94				4.758	(45/2-)	94
175RE 95				4.822	(45/2+)	95
175RE 96				5.136	(47/2-)	96
175RE 97				5.354	(47/2+)	97
175RE 98				5.417	(49/2-)	98
175RE 99				5.550	(49/2+)	99
175RE 100				6.218	(53/2-)	100

175RE 101				6.319	(53/2+)	101
175RE 102				7.078	(57/2-)	102
175RE 103				7.108	(57/2+)	103
S-2p	=	7.470	(0.040)	-----		
175RE 104				7.923	(61/2+)	104
175RE 105				7.989	(61/2-)	105
175RE 106				8.784	(65/2+)	106
175RE 107				8.949	(65/2-)	107
S-n	=	9.687	(0.040)	-----		
175RE 108				9.695	(69/2+)	108

S-p	=	2.350	(0.040)	-----		
S-n	=	9.687	(0.040)	-----		
S-2p	=	7.470	(0.040)	-----		
S-2n	=	17.877	(0.040)	-----		
S-alpha	=	-4.007	(0.040)	-----		

S+p	=	-4.132	(0.030)	-----		
S+n	=	-7.846	(0.040)	-----		
S+2p	=	-5.337	(0.034)	-----		
S+2n	=	-17.123	(0.040)	-----		
S+alpha	=	4.782	(0.030)	-----		

gap p	=	-1.781	(0.050)	-----		
gap n	=	1.841	(0.056)	-----		
gap 2p	=	2.133	(0.052)	-----		
gap 2n	=	0.754	(0.056)	-----		

gap alpha = 0.775 (0.049)