

^{184}Re $Z = 75$ $N = 109$ adopted link ENSDF link

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

BE = 1470.666 (0.004) MeV
 Qbeta- = 0.033 (0.004) MeV
 Qbeta+ = 1.486 (0.004) MeV

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

S-alpha=	-2.289 (0.005)				
184RE 1				0.000 3(-)	1 35.4 D 7
184RE 2				0.056 (1-)	2
184RE 3				0.074 (2-)	3
184RE 4				0.105 4(-)	4
184RE 5				0.142 (3-)	5
184RE 6				0.188 8(+)	6 169 D 8
184RE 7				0.237 5(-)	7
184RE 8				0.242 (4-)	8
184RE 9				0.257 (3-)	9
184RE 10				0.312 (4-)	10 6 NS LT

184RE 11				0.348 (6-)	11 8.1 NS 8
184RE 12				0.369 (5-)	12
184RE 13				0.388 (4-)	13
184RE 14				0.389 (5+)	14
184RE 15				0.397 6(-)	15
184RE 16				0.440 (1-)	16
184RE 17				0.446 (9+)	17
184RE 18				0.473 (5-)	18
184RE 19				0.474 (4+)	19
184RE 20				0.498 (2-)	20

184RE 21				0.527 (6-)	21
184RE 22				0.554 (5-)	22
184RE 23		0.566	7-		23
184RE 24				0.581 (3-)	24
184RE 25				0.584 7(-)	25
184RE 26				0.590 (7+)	26
184RE 27				0.590 (5+)	27
184RE 28				0.602	28
184RE 29				0.662 (6-)	29
184RE 30				0.685 (4+)	30

184RE 31				0.693 (4-)	31
184RE 32				0.703 (5-,6-)	32 4 NS LT
184RE 33				0.709 (7-)	33
184RE 34				0.715 (8+)	34
184RE 35				0.728 (10+)	35

184RE 36				0.741	(6+)	36		
184RE 37				0.751	(8+)	37		
184RE 38				0.775		38		
184RE 39				0.783		39		
184RE 40				0.795	8(-)	40		

184RE 41				0.804	(5+)	41		
184RE 42				0.810	(8-)	42		
184RE 43				0.816		43		
184RE 44				0.822	(7-,8-)	44		
184RE 45				0.826	(9-)	45	5 NS	LT
184RE 46				0.854	(8-)	46		
184RE 47				0.865		47		
184RE 48				0.878	(7-)	48		
184RE 49				0.887	(6-,7-)	49		
184RE 50				0.891	(9+)	50		

184RE 51				0.910		51		
184RE 52				0.917	(10-)	52	5 NS	LT
184RE 53				0.922	(8-)	53		
184RE 54				0.951	(6+)	54		
184RE 55				0.955	(7-)	55		
184RE 56				0.970	(9+)	56		
184RE 57				0.973		57		
184RE 58				0.988		58		
184RE 59				1.003		59		
184RE 60				1.022		60		

184RE 61				1.032	(11+)	61		
184RE 62				1.033	9(-)	62		
184RE 63				1.045		63		
184RE 64				1.055	(9-,10-)	64		
184RE 65				1.069	(9-)	65		
184RE 66				1.074	(9-)	66		
184RE 67				1.092	(10+)	67		
184RE 68				1.097	(8-,9-)	68		
184RE 69				1.121	(8-)	69		
184RE 70				1.123	(11-)	70		

184RE 71				1.126	(7+)	71		
184RE 72				1.156	(9-)	72		
184RE 73				1.185	(10-)	73		
184RE 74				1.206	(8)	74		
184RE 75				1.221	(10+)	75		
184RE 76				1.293	(10-)	76		
184RE 77				1.298	(10-)	77		
184RE 78				1.320	(11+)	78		
184RE 79				1.357	(12+)	79		
184RE 80				1.362	(12-)	80		

184RE 81			1.367	(10-)	81		
184RE 82			1.386	(9-)	82		
184RE 83			1.401	(11-,12-)	83		
184RE 84			1.406	(10-)	84		
184RE 85			1.408	(10-,11-)	85		
184RE 86			1.418	(10-)	86		
184RE 87			1.480	(11-)	87		
184RE 88			1.500	(11+)	88		
184RE 89			1.520	(10)	89		
184RE 90			1.543	(12-)	90	6 NS	LT

184RE 91			1.572	(12+)	91		
184RE 92			1.579	(11-)	92		
184RE 93			1.626	(13-)	93		
184RE 94			1.676	(10-)	94		
184RE 95			1.677	(11-)	95		
184RE 96			1.700	(11-)	96		
184RE 97			1.701	(13+)	97		
184RE 98			1.718	(12-)	98		
184RE 99			1.804	(12+)	99		
184RE 100			1.819	(12-,13-)	100		

184RE 101			1.826	(13-)	101		
184RE 102			1.834	(14)	102	5 NS	LT
184RE 103			1.843	(13+)	103		
184RE 104			1.855	(13-,14-)	104		
184RE 105			1.912	(14-)	105		
184RE 106			1.927	(13-)	106		
184RE 107			1.972	(13-)	107		
184RE 108			2.003	(12-)	108		
184RE 109			2.060	(14+)	109		
184RE 110			2.123	(14-)	110		

184RE 111			2.160	(14)	111		
184RE 112			2.164	(15)	112		
184RE 113			2.181	(13-)	113		
184RE 114			2.192	(15)	114		
184RE 115			2.220	(15-)	115		
184RE 116			2.406	(16)	116	5 NS	LT
184RE 117			2.412	(15-,16-)	117		
184RE 118			2.432	(15+)	118		
184RE 119			2.433	(15-)	119		
184RE 120			2.512	(16)	120		

184RE 121			2.657	(17)	121		
184RE 122			2.991	(18)	122		
184RE 123			0.000	3(-)	123		

S-p = 5.143 (0.004)-----

S-n = 6.481 (0.009)-----
S-2p = 12.367 (0.005)-----
S-2n = 14.916 (0.102)-----
S-alpha= -2.289 (0.005)-----

S+p = -5.875 (0.004)
S+n = -7.671 (0.004)
S+2p = -9.531 (0.017)
S+2n = -13.850 (0.004)
S+alpha = 3.450 (0.010)

gap p = -0.732 (0.006)
gap n = -1.189 (0.010)
gap 2p = 2.837 (0.018)
gap 2n = 1.066 (0.102)
gap alpha = 1.161 (0.011)