

^{188}Os $Z = 76$ $N = 112$ adopted link ENSDF link

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

BE = 1499.087 (0.001) MeV

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

S-alpha=	-2.143	(0.001)	-----		
1880S 1	0.000	0+			1 STABLE
1880S 2	0.155	2+			2 0.704 NS 7
1880S 3	0.478	4+			3 17.7 PS 10
1880S 4	0.633	2+			4 9.4 PS 10
1880S 5	0.790	3+			5
1880S 6	0.940	6+			6 2.95 PS 17
1880S 7	0.966	4+			7 6.0 PS 5
1880S 8				1.042	8
1880S 9	1.086	0+			9 11.5 PS 6
1880S 10	1.181	5+			10

1880S 11	1.279	4+			11 3.9 PS 8
1880S 12	1.305	2+			12
1880S 13				1.414 (3-)	13
1880S 14	1.425	6+			14 4.0 PS 4
1880S 15				1.444	15
1880S 16	1.457	2+			16
1880S 17			1.462 2-		17
1880S 18	1.478	0+			18
1880S 19	1.515	8+			19 0.96 PS 6
1880S 20	1.516	5+			20

1880S 21				1.567	21
1880S 22				1.578	22
1880S 23				1.599	23
1880S 24	1.620	2+			24
1880S 25				1.669 (5-)	25
1880S 26				1.685 (3+)	26
1880S 27	1.685	7+			27
1880S 28	1.704	0+			28
1880S 29	1.729	2+			29
1880S 30				1.747	30

1880S 31	1.765	0+			31
1880S 32			1.771 7-		32 14.00 NS 21
1880S 33	1.808	2+			33
1880S 34	1.825	0+			34
1880S 35				1.843 (2)+	35
1880S 36				1.855	36
1880S 37				1.878	37

1880S	38					1.893		38
1880S	39					1.921		39
1880S	40					1.937	(1,2+)	40

1880S	41					1.941	(2)+	41
1880S	42					1.949	1,2	42
1880S	43					1.957	(1+,2+)	43
1880S	44					1.965	(2)+	44
1880S	45	1.966	0+					45
1880S	46					1.972		46
1880S	47	1.980	8+					47
1880S	48					1.989		48
1880S	49			1.994	8-			49
1880S	50	1.996	8+					50

1880S	51					2.020	(1,2)+	51
1880S	52					2.022	(1,2)+	52
1880S	53					2.031		53
1880S	54			2.055	9-			54
1880S	55					2.069	(2)+	55
1880S	56					2.085	(1,2,3)+	56
1880S	57					2.099	(1)+	57
1880S	58					2.121	(3-)	58
1880S	59					2.124	(1+,2+)	59
1880S	60					2.144	(10-)	60

1880S	61					2.166	(2)+	61
1880S	62	2.170	10+					62
1880S	63					2.193		63
1880S	64	2.205	2+					64
1880S	65					2.215	(1)+	65
1880S	66					2.228		66
1880S	67			2.243	9-			67
1880S	68	2.252	2+					68
1880S	69					2.264		69
1880S	70	2.279	9+					70

1880S	71					2.286	(1+,2+)	71
1880S	72					2.300	1,2	72
1880S	73					2.308		73
1880S	74					2.326	1,2	74
1880S	75					2.347	(1)+	75
1880S	76					2.349	(2)-	76
1880S	77					2.365	1,2	77
1880S	78					2.374	1,2	78
1880S	79					2.377	(2-)	79
1880S	80					2.416	(2+)	80

1880S	81					2.432		81
1880S	82					2.452		82

1880S 83				2.458	(11-)	83
1880S 84				2.461	1,2	84
1880S 85				2.491	(2-)	85
1880S 86		2.500	11-			86
1880S 87				2.505		87
1880S 88				2.520	1,2	88
1880S 89		2.522	10-			89
1880S 90				2.549	(2-)	90

1880S 91				2.558	(10+)	91
1880S 92				2.567		92
1880S 93				2.582	1,2	93
1880S 94				2.605		94
1880S 95				2.623	(2+)	95
1880S 96				2.629		96
1880S 97	2.655	10+				97
1880S 98				2.659		98
1880S 99				2.666		99
1880S 100				2.704		100

1880S 101				2.734	(12-)	101
1880S 102				2.740		102
1880S 103				2.766		103
1880S 104				2.779		104
1880S 105				2.813	(11+)	105
1880S 106		2.816	11-			106
1880S 107				2.817	(2+)	107
1880S 108	2.856	12+				108
1880S 109				2.866		109
1880S 110				2.869	(12-)	110

1880S 111				2.879		111
1880S 112				2.891		112
1880S 113				2.923		113
1880S 114	2.933	11+				114
1880S 115				2.945		115
1880S 116				2.970		116
1880S 117				2.981	(12+)	117
1880S 118				3.002		118
1880S 119				3.012		119
1880S 120				3.030		120

1880S 121				3.060	(13-)	121
1880S 122				3.072		122
1880S 123				3.083	11,12+	123
1880S 124				3.093	(13-)	124
1880S 125				3.110		125
1880S 126				3.141		126
1880S 127				3.144	(12-)	127
1880S 128				3.168		128

1880S 129				3.177		129
1880S 130				3.205		130

1880S 131				3.224		131
1880S 132				3.240		132
1880S 133				3.255	(13+)	133
1880S 134				3.275		134
1880S 135				3.289		135
1880S 136				3.337		136
1880S 137				3.352	(14-)	137
1880S 138				3.362		138
1880S 139	3.370	12+				139
1880S 140				3.412		140

1880S 141				3.414	(15-)	141
1880S 142				3.417		142
1880S 143				3.434		143
1880S 144				3.439	(14+)	144
1880S 145				3.441		145
1880S 146				3.472	(14+)	146
1880S 147				3.479		147
1880S 148	3.563	14+				148
1880S 149				3.567		149
1880S 150				3.600		150

1880S 151	3.601	13+				151
1880S 152				3.621		152
1880S 153				3.622		153
1880S 154				3.640		154
1880S 155				3.644		155
1880S 156				3.688		156
1880S 157				3.722		157
1880S 158				3.730	(15-)	158
1880S 159				3.731		159
1880S 160				3.734	(16+)	160

1880S 161				3.767		161
1880S 162				3.796	(15+)	162
1880S 163				3.810		163
1880S 164				3.825	(14-)	164
1880S 165				3.826		165
1880S 166				3.837		166
1880S 167				3.900		167
1880S 168				3.911		168
1880S 169				3.964	(16+)	169
1880S 170				3.984		170

1880S 171				4.107	(16-)	171
1880S 172				4.149	17	172
1880S 173				4.185		173

1880S 174				4.193		174
1880S 175				4.236	(16+)	175
1880S 176		4.258	18+			176
1880S 177				4.286		177
1880S 178				4.391	(17-)	178
1880S 179				4.414	(17+)	179
1880S 180				4.428		180

1880S 181				4.484	(17-)	181
1880S 182				4.508		182
1880S 183				4.509	(17-)	183
1880S 184				4.521	(16-)	184
1880S 185				4.563		185
1880S 186				4.572	(18+)	186
1880S 187				4.649		187
1880S 188				4.729	(19)	188
1880S 189				4.847	(18-)	189
1880S 190				4.887		190

1880S 191				5.033	(19-)	191
1880S 192				5.125		192
1880S 193				5.177	(19-)	193
1880S 194				5.267	(20+)	194
1880S 195				5.620		195
1880S 196				6.032	(22+)	196
1880S 197				6.118		197
1880S 198				6.607		198
1880S 199				6.911	(24+)	199

S-p = 7.210 (0.001)-----
S-n = 7.990 (0.001)-----
S-2p = 13.207 (0.001)-----
S-2n = 14.280 (0.001)-----
S-alpha= -2.143 (0.001)-----

S+p = -4.601 (0.013)
S+n = -5.921 (0.001)
S+2p = -10.747 (0.001)
S+2n = -13.713 (0.001)
S+alpha = 2.424 (0.003)

gap p = 2.609 (0.013)
gap n = 2.069 (0.001)
gap 2p = 2.460 (0.002)
gap 2n = 0.567 (0.001)
gap alpha = 0.281 (0.003)