

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

Based on ensdf_240402 (Apr 2024), 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)