

^{183}Os $Z = 76$ $N = 107$ adopted link ENSDF link

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

BE = 1461.257 (0.050) MeV

Qbeta+ = 2.146 (0.050) MeV

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

S-alpha=	-3.207	(0.052)	-----		
1830S 1	0.000	9/2+			1 13.0 H 5
1830S 2	0.096	11/2+			2
1830S 3			0.171	1/2-	3 9.9 H 3
1830S 4	0.219	13/2+			4
1830S 5			0.258	3/2-	5
1830S 6			0.273	5/2-	6
1830S 7	0.375	15/2+			7
1830S 8				0.393 (7/2)-	8
1830S 9			0.395	1/2-	9
1830S 10			0.453	3/2-	10

1830S 11			0.487	7/2-	11
1830S 12			0.510	9/2-	12
1830S 13			0.513	7/2-	13
1830S 14			0.513	5/2-	14
1830S 15	0.542	17/2+			15
1830S 16			0.544	5/2-	16
1830S 17				0.558 (9/2)-	17
1830S 18				0.582 (3/2)-	18
1830S 19			0.621	7/2-	19
1830S 20			0.646	9/2-	20

1830S 21				0.655 (7/2)-	21
1830S 22				0.669 (5/2)-	22
1830S 23	0.714	9/2+			23
1830S 24	0.732	7/2+			24
1830S 25				0.749 (11/2)-	25
1830S 26				0.764 (7/2)-	26
1830S 27	0.764	19/2+			27
1830S 28				0.793 (11/2)+	28
1830S 29				0.801 (5/2)+	29
1830S 30			0.812	11/2-	30

1830S 31				0.832 (3/2,5/2,7/2)-	31
1830S 32			0.848	11/2-	32
1830S 33				0.850 (3/2,5/2,7/2)-	33
1830S 34			0.880	13/2-	34
1830S 35				0.897 (7/2)+	35
1830S 36				0.944 (3/2,5/2)-	36

1830S	37		0.951	21/2+					37			
1830S	38					0.958	(13/2)-		38			
1830S	39					0.965	(3/2,5/2)-		39			
1830S	40				1.011	13/2-			40			

1830S	41					1.039	(5/2,7/2,9/2)-		41			
1830S	42					1.046	(5/2+)		42			
1830S	43					1.054	(5/2,7/2,9/2)-		43			
1830S	44					1.180	(15/2)-		44			
1830S	45					1.181	(3/2,5/2)-		45			
1830S	46					1.237	(7/2)+		46			
1830S	47				1.237	15/2-			47			
1830S	48					1.253	(5/2)+		48			
1830S	49		1.256	23/2+					49			
1830S	50					1.295	(5/2)+		50			

1830S	51				1.324	15/2-			51			
1830S	52					1.333	(1/2,3/2,5/2)-		52			
1830S	53				1.370	17/2-			53			
1830S	54					1.421	(17/2-)		54			
1830S	55		1.443	25/2+					55			
1830S	56					1.483	19/2(+)		56			
1830S	57					1.560	(15/2-)		57	3 NS	LT	
1830S	58					1.584	(17/2-)		58			
1830S	59					1.662	(19/2-)		59			
1830S	60					1.665	(19/2-)		60			

1830S	61					1.691	21/2(+)		61			
1830S	62					1.779	(21/2-)		62			
1830S	63		1.815	21/2+					63			
1830S	64		1.844	27/2+					64			
1830S	65					1.912	(3/2-,5/2,7/2-)		65			
1830S	66					1.921	1/2,3/2,5/2-		66			
1830S	67					1.922	(21/2-)		67			
1830S	68					1.926	(23/2-)		68			
1830S	69					1.926	23/2(+)		69			
1830S	70					1.978	(3/2)+		70			

1830S	71		2.018	29/2+					71			
1830S	72					2.083	(1/2,3/2,5/2-)		72			
1830S	73					2.101	(25/2-)		73			
1830S	74					2.151	(23/2-)		74			
1830S	75					2.176	25/2(+)		75			
1830S	76					2.210	(23/2+)		76	3 NS	LT	
1830S	77					2.219	(5/2-,7/2)		77			
1830S	78					2.249	(5/2+,7/2)		78			
1830S	79					2.255	3/2(-),5/2,7/2(-)		79			
1830S	80					2.258	(7/2)		80			

1830S	81					2.274	(7/2)-		81			

1830S 82				2.300	(5/2)-	82
1830S 83				2.305	(27/2-)	83
1830S 84				2.311	3/2,5/2,7/2(-)	84
1830S 85		2.338	25/2+			85
1830S 86				2.402	(25/2-)	86
1830S 87				2.460	(27/2+)	87
1830S 88				2.471	(25/2+)	88
1830S 89				2.511	(5/2+,7/2)	89
1830S 90		2.522	31/2+			90

1830S 91				2.536	(29/2-)	91
1830S 92				2.599	(27/2-)	92
1830S 93		2.674	33/2+			93
1830S 94				2.747	29/2(+)	94
1830S 95				2.754	(27/2+)	95
1830S 96				2.793	(31/2-)	96
1830S 97				2.871	(29/2-)	97
1830S 98				3.029	(31/2-)	98
1830S 99				3.046	(29/2+)	99
1830S 100				3.067	(29/2+)	100

1830S 101				3.075	(33/2-)	101
1830S 102				3.077	(31/2+)	102
1830S 103				3.094		103
1830S 104		3.279	35/2+			104
1830S 105				3.340	(33/2-)	105
1830S 106				3.363	(33/2+)	106
1830S 107				3.378	(35/2-)	107
1830S 108				3.383	(31/2-)	108
1830S 109		3.404	37/2+			109
1830S 110				3.420	(29/2+,31/2+)	110

1830S 111				3.431	(29/2,31/2+)	111
1830S 112				3.506	(35/2-)	112
1830S 113				3.707	(37/2-)	113
1830S 114				3.765	(GE 25/2)	114
1830S 115				3.766	(35/2+)	115
1830S 116				3.786	(33/2+)	116
1830S 117				3.876	(37/2-)	117
1830S 118				3.885	(35/2+)	118
1830S 119				3.987	(35/2-)	119
1830S 120				4.031	(39/2-)	120

1830S 121				4.076	(39/2-)	121
1830S 122		4.089	39/2+			122
1830S 123				4.117	(37/2+)	123
1830S 124		4.182	41/2+			124

S-p = 5.507 (0.113)-----

S-n = 7.126 (0.054)-----
S-2p = 10.008 (0.050)-----
S-2n = 16.256 (0.056)-----
S-alpha= -3.207 (0.052)-----

S+p = -3.236 (0.057)
S+n = -8.660 (0.050)
S+2p = -7.602 (0.056)
S+2n = -15.285 (0.050)
S+alpha = 4.553 (0.055)

gap p = 2.271 (0.127)
gap n = -1.534 (0.074)
gap 2p = 2.406 (0.075)
gap 2n = 0.972 (0.075)
gap alpha = 1.347 (0.076)