

^{177}Os $Z = 76$ $N = 101$ adopted link ENSDF link

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

BE = 1411.121 (0.015) MeV

Qbeta+ = 4.313 (0.032) MeV

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

S-alpha=	-4.346	(0.032)	-----		
1770S 1			0.000	1/2-	1 3.0 M 2
1770S 2				0.076 (3/2-)	2
1770S 3			0.091	5/2-	3
1770S 4			0.152	5/2-	4 40 NS 3
1770S 5			0.240	7/2-	5
1770S 6				0.259 (7/2-)	6
1770S 7			0.285	9/2-	7
1770S 8	0.301	7/2+			8 46.3 NS 3
1770S 9	0.319	9/2+			9
1770S 10			0.355	9/2-	10

1770S 11	0.376	11/2+			11
1770S 12	0.433	13/2+			12
1770S 13			0.495	11/2-	13
1770S 14				0.534 (11/2-)	14
1770S 15			0.567	13/2-	15
1770S 16	0.595	15/2+			16
1770S 17			0.656	13/2-	17
1770S 18	0.679	17/2+			18
1770S 19			0.837	15/2-	19
1770S 20				0.886 (15/2-)	20

1770S 21			0.925	17/2-	21
1770S 22	0.947	19/2+			22
1770S 23			1.037	17/2-	23
1770S 24	1.047	21/2+			24
1770S 25			1.252	19/2-	25
1770S 26				1.305 (19/2-)	26
1770S 27			1.349	21/2-	27
1770S 28	1.395	23/2+			28
1770S 29			1.484	21/2-	29
1770S 30	1.519	25/2+			30

1770S 31				1.727 (23/2-)	31
1770S 32				1.788 (23/2-)	32
1770S 33			1.831	25/2-	33
1770S 34	1.913	27/2+			34
1770S 35				1.988 (25/2-)	35
1770S 36	2.070	29/2+			36

1770S	37						2.255	(27/2-)	37
1770S	38						2.327	(27/2-)	38
1770S	39				2.363	29/2-			39
1770S	40		2.487	31/2+					40

1770S	41						2.541	(29/2-)	41
1770S	42		2.679	33/2+					42
1770S	43						2.767		43
1770S	44						2.827	(31/2-)	44
1770S	45						2.910	(31/2-)	45
1770S	46				2.912	33/2-			46
1770S	47						3.039	(33/2-)	47
1770S	48		3.108	35/2+					48
1770S	49						3.136	(33/2-)	49
1770S	50		3.339	37/2+					50

1770S	51				3.478	37/2-			51
1770S	52		3.779	39/2+					52
1770S	53		4.044	41/2+					53
1770S	54				4.103	41/2-			54
S-p	=	4.182	(0.032)	-----					
1770S	55						4.501	(43/2+)	55
1770S	56						4.788	(45/2-)	56
1770S	57						4.806	(45/2+)	57
1770S	58						4.812		58
1770S	59						5.612	(49/2+)	59

S-p = 4.182 (0.032)-----
S-n = 7.897 (0.018)-----
S-2p = 6.902 (0.032)-----
S-2n = 17.994 (0.019)-----
S-alpha= -4.346 (0.032)-----

S+p = -1.587 (0.024)
S+n = -9.659 (0.020)
S+2p = -4.890 (0.017)
S+2n = -17.206 (0.021)
S+alpha = 5.150 (0.020)

gap p = 2.596 (0.040)
gap n = -1.763 (0.027)
gap 2p = 2.012 (0.036)
gap 2n = 0.787 (0.028)
gap alpha = 0.804 (0.037)