

^{182}Ir $Z = 77$ $N = 105$ adopted link ENSDF link

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

BE = 1447.791 (0.021) MeV

Qbeta+ = 5.557 (0.030) MeV

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

S-alpha=	-4.177	(0.035)	-----		
182IR 1	0.000	3+			1 15.0 M 10
182IR 2				0.008	2
182IR 3				0.026 (5)+	3
182IR 4				0.071 (5)+	4 170 NS 40
182IR 5				0.075 (2)+	5
182IR 6				0.087 (1,2)+	6
182IR 7				0.089 (4)+	7
182IR 8				0.095 (4)+	8
182IR 9				0.110 (6+)	9
182IR 10				0.152 (1,2)-	10

182IR 11				0.152 (4)-	11
182IR 12				0.171 (7+)	12
182IR 13				0.174 (3)-	13
182IR 14				0.176 (6-)	14 130 NS 50
182IR 15				0.186 (7+)	15
182IR 16				0.190 (3)+	16
182IR 17				0.194 (1,2)+	17
182IR 18				0.200 (0:3)-	18
182IR 19	0.211	1+			19
182IR 20				0.232 (6-)	20

182IR 21				0.255 0+,1+,2+	21
182IR 22				0.260 (2)+	22
182IR 23				0.267 (7-)	23
182IR 24				0.284 (2)+	24
182IR 25				0.292 (8+)	25
182IR 26				0.321 (2)-	26
182IR 27				0.342 (2,3,4)+	27
182IR 28				0.346 (2)-	28
182IR 29				0.347 (8-)	29
182IR 30				0.377 (2)+	30

182IR 31				0.382 (3)+	31
182IR 32				0.426 (9+)	32
182IR 33				0.439 (9+)	33
182IR 34				0.452 (2)+	34
182IR 35				0.458 (2,3,4)+	35
182IR 36				0.520 (9-)	36

182IR 37				0.591	(10+)	37
182IR 38				0.615	(2,3)+	38
182IR 39				0.632	(10-)	39
182IR 40				0.637	(1,2)+	40

182IR 41				0.663	(1,2)+	41
182IR 42				0.776	(11+)	42
182IR 43				0.783	(1,2)+	43
182IR 44				0.807	(11+)	44
182IR 45				0.853	(3)+	45
182IR 46				0.904	(1,2,3)+	46
182IR 47				0.908	(11-)	47
182IR 48				0.923	(0-.4-)	48
182IR 49				0.985	(12+)	49
182IR 50		1.002	1+			50

182IR 51				1.025	(1)+	51
182IR 52				1.039	(12-)	52
182IR 53				1.136	(1,2)+	53
182IR 54				1.212	(13+)	54
182IR 55				1.248	(13+)	55
182IR 56				1.409	(13-)	56
182IR 57				1.457	(14+)	57
182IR 58				1.541	(0+.4+)	58
182IR 59				1.555	(14-)	59
182IR 60				1.714	(15+)	60

182IR 61				1.730	(15+)	61
182IR 62				1.986	(16+)	62
182IR 63				1.995	(15-)	63
182IR 64				2.159	(16-)	64
182IR 65				2.238	(17+)	65
182IR 66				2.267	(17+)	66
182IR 67				2.560	(18+)	67
182IR 68				2.782	(19+)	68
S-p	=	2.791	(0.033)	-----		
182IR 69				2.823	(18-)	69
182IR 70				2.860	(19+)	70

182IR 71				3.172	(20+)	71
182IR 72				3.388	(21+)	72
182IR 73				3.492	(21+)	73
182IR 74				3.520	(20-)	74
182IR 75				3.869	(22+)	75

S-p	=	2.791	(0.033)	-----		
S-n	=	7.660	(0.022)	-----		
S-2p	=	7.792	(0.030)	-----		
S-2n	=	17.217	(0.030)	-----		

S-alpha= -4.177 (0.035)-----

S+p = -4.010 (0.025)

S+n = -9.222 (0.032)

S+2p = -5.845 (0.031)

S+2n = -16.702 (0.035)

S+alpha = 4.912 (0.030)

gap p = -1.220 (0.042)

gap n = -1.562 (0.039)

gap 2p = 1.947 (0.043)

gap 2n = 0.515 (0.046)

gap alpha = 0.735 (0.046)