

^{184}Ir $Z = 77$ $N = 107$ adopted link ENSDF link

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

BE = 1464.493 (0.028) MeV

Qbeta+ = 4.642 (0.028) MeV

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

S-alpha=	-3.802	(0.035)	-----					
184IR 1				0.000	5-			1 3.09 H 3
184IR 2							0.012	2
184IR 3							0.018 (3-,4-,5-)	3
184IR 4							0.042 (6)-	4
184IR 5				0.071	4-			5 180 PS LT
184IR 6							0.111 (7)-	6
184IR 7							0.208 (8)-	7
184IR 8		0.226						8 470 US 30
184IR 9							0.233 (5+)	9
184IR 10							0.237 +	10

184IR 11				0.263	3-			11 300 PS LT
184IR 12		0.293						12 1.1 NS 3
184IR 13							0.296 (2,3,4)+	13
184IR 14							0.327 (9)-	14
184IR 15							0.328 (7)+	15 350 NS 90
184IR 16		0.343						16
184IR 17				0.355	2-			17
184IR 18							0.368 (7+)	18
184IR 19		0.428						19
184IR 20							0.432 (2)+	20 10 NS GT

184IR 21							0.479 (1)+	21
184IR 22							0.481 (8+)	22
184IR 23		0.485						23
184IR 24							0.486 (10-)	24
184IR 25							0.499 (4)+	25
184IR 26				0.500	1-			26
184IR 27							0.505 1-,2-	27
184IR 28							0.509 1+,2+	28
184IR 29							0.519 (3)+	29
184IR 30		0.554						30

184IR 31							0.605 (3,4)+	31
184IR 32							0.621 (0,1)	32
184IR 33							0.634 (9+)	33
184IR 34							0.639 (3)+	34
184IR 35							0.649 (11-)	35
184IR 36							0.659 (9+)	36

184IR 37				0.660		37
184IR 38				0.663	(2,3)+	38
184IR 39				0.793		39
184IR 40				0.815	LE3	40

184IR 41				0.856	(2)+	41
184IR 42				0.858	(10+)	42
184IR 43				0.874	(0,1)+	43
184IR 44				0.877	(12-)	44
184IR 45		0.904	1+			45
184IR 46						46
184IR 47		0.925	1+		1+,2+,3+	47
184IR 48				0.943	(0+,1+,2+)	48
184IR 49				1.031	(11+)	49
184IR 50		1.065	1+			50

184IR 51				1.072	(13-)	51
184IR 52				1.076	(11+)	52
184IR 53		1.087	1+			53
184IR 54				1.166	(LE3)	54
184IR 55				1.223		55
184IR 56				1.308	(12+)	56
184IR 57				1.362		57
184IR 58				1.378	(14-)	58
184IR 59				1.548	(13+)	59
184IR 60				1.550	(13+)	60

184IR 61				1.592	(15-)	61
184IR 62				1.792	(14+)	62
184IR 63				1.977	(16-)	63
184IR 64				2.039	(15+)	64
184IR 65				2.180	(15+)	65
184IR 66				2.205	(17-)	66
184IR 67				2.291	(16+)	67
184IR 68				2.557	(17+)	68
184IR 69				2.656	(18-)	69
184IR 70				2.838	(18+)	70

184IR 71				2.900	(19-)	71
184IR 72				3.138	(19+)	72

S-p = 3.236 (0.057)-----
S-n = 7.480 (0.037)-----
S-2p = 8.743 (0.106)-----
S-2n = 16.702 (0.035)-----
S-alpha= -3.802 (0.035)-----

S+p = -4.366 (0.038)
S+n = -8.796 (0.040)

S+2p = -6.682 (0.035)
S+2n = -15.704 (0.032)
S+alpha = 4.815 (0.028)

gap p = -1.130 (0.069)
gap n = -1.316 (0.054)
gap 2p = 2.061 (0.111)
gap 2n = 0.998 (0.048)
gap alpha = 1.013 (0.045)