

^{180}Ir $Z = 77$ $N = 103$ adopted link ENSDF link

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

BE = 1430.574 (0.022) MeV

Qbeta+ = 6.379 (0.027) MeV

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

S-alpha=	-4.660	(0.035)	-----		
180IR 1				0.000 (5+)	1 1.5 M 1
180IR 2				0.080	2
180IR 3				0.098 (6+)	3
180IR 4				0.113	4
180IR 5				0.164 (7+)	5
180IR 6				0.167	6
180IR 7				0.181 (7+)	7
180IR 8				0.212	8
180IR 9				0.297 (8+)	9
180IR 10				0.442 (9+)	10

180IR 11				0.454 (9+)	11
180IR 12				0.624 (10+)	12
180IR 13				0.825 (11+)	13
180IR 14				0.848 (11+)	14
180IR 15				1.057 (12+)	15
180IR 16				1.303 (13+)	16
180IR 17				1.329 (13+)	17
180IR 18				1.571 (14+)	18
180IR 19				1.846 (15+)	19
180IR 20				1.877 (15+)	20

180IR 21				2.120 (16+)	21
180IR 22				2.179 (16+)	22
S-p =	2.246	(0.027)	-----		
180IR 23				2.385 (17+)	23
180IR 24				2.407 (17+)	24
180IR 25				2.496 (17+)	25
180IR 26				2.622 (18+)	26
180IR 27				2.883 (19+)	27
180IR 28				2.902 (19+)	28
180IR 29				3.162 (20+)	29
180IR 30				3.453 (21+)	30

180IR 31				3.753 (22+)	31
180IR 32				4.394 (24+)	32
180IR 33				5.089 (26+)	33

S-p = 2.246 (0.027)-----
S-n = 7.967 (0.024)-----
S-2p = 6.902 (0.035)-----
S-2n = 17.866 (0.029)-----
S-alpha= -4.660 (0.035)-----

S+p = -3.693 (0.026)
S+n = -9.557 (0.022)
S+2p = -4.904 (0.029)
S+2n = -17.217 (0.030)
S+alpha = 5.234 (0.031)

gap p = -1.447 (0.037)
gap n = -1.590 (0.033)
gap 2p = 1.998 (0.046)
gap 2n = 0.649 (0.042)
gap alpha = 0.573 (0.047)