

^{169}Ir $Z = 77$ $N = 92$ adopted link ENSDF link

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

BE = 1325.905 (0.023) MeV

Qbeta+ = 8.630 (0.035) MeV

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

S-alpha=	-6.141	(0.033)	-----		
S-p	= -0.613	(0.025)	-----		
169IR	1			0.000 (1/2+)	1 0.353 S 4
169IR	2			0.153 (11/2-)	2 0.281 S 4
169IR	3			0.610 (13/2-)	3
169IR	4			0.811 (15/2-)	4
169IR	5			1.243 (15/2-)	5
169IR	6			1.331 (17/2-)	6
169IR	7			1.547 (17/2-)	7
169IR	8			1.573 (19/2-)	8
169IR	9			1.725 (19/2-)	9
S-2p	= 1.762	(0.023)	-----		
169IR	10			1.803 (17/2-)	10

169IR	11			1.803 (19/2-)	11
169IR	12			1.998 (21/2-)	12
169IR	13			2.045 (21/2-)	13
169IR	14			2.116 (21/2-)	14
169IR	15			2.221 (23/2-)	15
169IR	16			2.261 (21/2-)	16
169IR	17			2.264 (23/2-)	17
169IR	18			2.318 (23/2-)	18
169IR	19			2.406 (23/2-)	19
169IR	20			2.449 (25/2-)	20

169IR	21			2.468 (23/2-)	21
169IR	22			2.574 (25/2-)	22
169IR	23			2.608 (27/2-)	23
169IR	24			2.851 (25/2-)	24
169IR	25			2.861 (29/2-)	25
169IR	26			3.118 (31/2-)	26
169IR	27			3.441 (33/2-)	27

S-p	= -0.613	(0.025)	-----		
S-n	= 11.498	(0.060)	-----		
S-2p	= 1.762	(0.023)	-----		
S-2n	= 21.164	(0.030)	-----		
S-alpha=	-6.141	(0.033)	-----		

S+p = -1.495 (0.030)
S+n = -9.105 (0.172)
S+2p = -0.047 (0.031)
S+2n = -20.461 (0.045)
S+alpha = 6.836 (0.033)

gap p = -2.107 (0.039)
gap n = 2.394 (0.182)
gap 2p = 1.716 (0.039)
gap 2n = 0.703 (0.054)
gap alpha = 0.695 (0.046)