

^{197}Ir $Z = 77$ $N = 120$ adopted link ENSDF link

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

BE = 1558.073 (0.020) MeV

Qbeta- = 2.156 (0.020) MeV

	Energy T	J+	J-	J-other	T1/2
197IR	1 0.000	3/2+			1 5.8 M 5
197IR	2 0.052	1/2+			2
197IR	3		0.115	11/2-	3 8.9 M 3
197IR	4			0.224	4
197IR	5			0.248	5
S-alpha= 0.458 (0.044)-----					
197IR	6 0.460	5/2+			6
197IR	7			0.495	7
197IR	8			0.561	8
197IR	9 0.606	5/2+			9
197IR	10			0.654	10

197IR	11		0.715	11/2-	11
197IR	12 0.761	5/2+			12
197IR	13			0.885	13
197IR	14			0.924	14
197IR	15			0.960	15
197IR	16 1.043	1/2+			16
197IR	17		1.116	11/2-	17
197IR	18			1.160	18
197IR	19			1.202	19
197IR	20			1.300	20

197IR	21			1.384	21
197IR	22			1.426	22
197IR	23			1.459	23
197IR	24			1.528	24

S-p = 7.276 (0.045)-----

S-n = 6.900 (0.043)-----

S-2p = 17.378 (0.391)-----

S-2n = 12.714 (0.020)-----

S-alpha= 0.458 (0.044)-----

S+p = -8.929 (0.020)

S+n = -5.533 (0.199)

S+2p = -15.407 (0.020)

S+2n = -12.277 (0.046)

S+alpha = -0.562 (0.020)

gap p = -1.653 (0.049)
gap n = 1.367 (0.204)
gap 2p = 1.971 (0.391)
gap 2n = 0.438 (0.050)
gap alpha = -0.104 (0.048)