

^{173}Ir $Z = 77$ $N = 96$ adopted link ENSDF link

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

BE = 1366.366 (0.011) MeV

Qbeta+ = 7.170 (0.018) MeV

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

S-alpha=	-5.716	(0.016)	-----		
173IR 1				0.000 (3/2+,5/2+)	1 9.0 S 8
173IR 2				0.071	2
173IR 3				0.155	3
173IR 4			0.226 11/2-		4 2.20 S 5
S-p =	0.314	(0.017)	-----		
173IR 5				0.375	5
173IR 6				0.424 (9/2-)	6
173IR 7				0.516	7
173IR 8				0.580	8
173IR 9				0.601 (13/2-)	9
173IR 10				0.687 (13/2-)	10

173IR 11				0.789	11
173IR 12				0.793 (15/2-)	12
173IR 13				0.991 (15/2-)	13
173IR 14				1.095 (13/2+)	14
173IR 15				1.101 (17/2-)	15
173IR 16				1.109 (17/2-)	16
173IR 17				1.295 (17/2+)	17
173IR 18				1.326 (19/2-)	18
173IR 19				1.403	19
173IR 20				1.573 (21/2-)	20

173IR 21				1.573	21
173IR 22				1.605 (21/2+)	22
173IR 23				1.636 (21/2-)	23
173IR 24				1.818 (23/2-)	24
173IR 25				1.874 (19/2)	25
173IR 26				1.982 (25/2+)	26
173IR 27				2.079 (25/2-)	27
173IR 28				2.219 (25/2-)	28
173IR 29				2.350 (27/2-)	29
173IR 30				2.421 (29/2+)	30

173IR 31				2.635 (29/2-)	31
173IR 32				2.796 (29/2-)	32
173IR 33				2.923 (33/2+)	33
173IR 34				2.929 (31/2-)	34
173IR 35				3.226 (33/2-)	35

173IR	36				3.259	(33/2-)	36
173IR	37				3.486	(37/2+)	37
173IR	38				3.513	(35/2-)	38
S-2p	=	3.596	(0.030)	-----			
173IR	39				3.720	(37/2-)	39
173IR	40				3.803	(37/2-)	40
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173IR	41				4.107	(39/2-)	41
173IR	42				4.107	(41/2+)	42
173IR	43				4.262	(41/2-)	43
173IR	44				4.780	(45/2+)	44
173IR	45				4.890	(45/2-)	45
173IR	46				5.498	(49/2+)	46
173IR	47				5.589	(49/2-)	47
173IR	48				6.254	(53/2+)	48
S-p	=	0.314	(0.017)	-----			
S-n	=	10.960	(0.034)	-----			
S-2p	=	3.596	(0.030)	-----			
S-2n	=	19.999	(0.040)	-----			
S-alpha	=	-5.716	(0.016)	-----			
S+p	=	-2.338	(0.015)				
S+n	=	-8.589	(0.015)				
S+2p	=	-1.713	(0.040)				
S+2n	=	-19.269	(0.016)				
S+alpha	=	6.298	(0.015)				
gap p	=	-2.024	(0.022)				
gap n	=	2.372	(0.037)				
gap 2p	=	1.883	(0.050)				
gap 2n	=	0.730	(0.043)				
gap alpha	=	0.582	(0.021)				