

^{182}Hf $Z = 72$ $N = 110$ adopted link ENSDF link

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

BE = 1458.700 (0.006) MeV

Qbeta- = 0.381 (0.006) MeV

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

S-alpha=	-1.203	(0.009)	-----		
182HF 1	0.000	0+			1 8.90E+6 Y 9
182HF 2	0.098	2+			2
182HF 3				0.322 (4+)	3
182HF 4				0.666 (6+)	4
182HF 5				0.818 (1,2+)	5
182HF 6				0.906	6
182HF 7				1.022	7
182HF 8				1.034 (0+)	8
182HF 9				1.122 (8+)	9
182HF 10				1.173 (8-)	10 61.5 M 15

182HF 11				1.265 (0+)	11
182HF 12				1.419 (9-)	12
182HF 13				1.465	13
182HF 14				1.497	14
182HF 15				1.590	15
182HF 16				1.680 (10+)	16
182HF 17				1.692 (10-)	17
182HF 18				1.724	18
182HF 19				1.829	19
182HF 20				1.885	20

182HF 21				1.915	21
182HF 22				1.988 (11-)	22
182HF 23				2.214	23
182HF 24				2.280	24
182HF 25				2.307 (12-)	25
182HF 26				2.332 (12+)	26
182HF 27				2.571 (13+)	27 40 US 10
182HF 28				2.649 (13-)	28
182HF 29				3.010 (14-)	29
182HF 30				3.065 (14+)	30

182HF 31				3.869 (16+)	31
182HF 32				4.734 (18+)	32

S-p = 8.541 (0.126)-----

S-n = 6.718 (0.006)-----

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S-2p = 15.820 ( 0.360)-----  
S-2n = 12.413 ( 0.006)-----  
S-alpha= -1.203 ( 0.009)-----  
  
S+p = -6.533 ( 0.006)  
S+n = -5.305 ( 0.031)  
S+2p = -14.234 ( 0.006)  
S+2n = -11.593 ( 0.040)  
S+alpha = 1.116 ( 0.006)  
  
gap p = 2.008 ( 0.126)  
gap n = 1.413 ( 0.031)  
gap 2p = 1.587 ( 0.360)  
gap 2n = 0.820 ( 0.041)  
gap alpha = -0.087 ( 0.011)
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