

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

Based on ensdf\_240402 (Apr 2024), 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
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S-alpha=	-1.203	( 0.009)	-----		
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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
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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
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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
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182HF 31	3.869	(16+)			31
182HF 32	4.734	(18+)			32

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

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