

^{159}Hf $Z = 72$ $N = 87$ adopted link ENSDF link

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

BE = 1269.863 (0.017) MeV

Qbeta+ = 6.856 (0.041) MeV

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

S-alpha=	-5.225	(0.024)	-----		
159HF 1			0.000	7/2-	1 5.6 S 4
159HF 2			0.099	9/2-	2
159HF 3			0.636	13/2-	3
159HF 4			1.218	17/2-	4
159HF 5			1.837	21/2-	5
159HF 6			2.339	25/2-	6

S-p =	2.930	(0.023)	-----		
159HF 7			2.949	29/2-	7
159HF 8				3.172	8
159HF 9				3.511	9
159HF 10			3.618	33/2-	10

159HF 11				3.814	11

S-2p =	4.011	(0.020)	-----		
159HF 12			4.277	37/2-	12
159HF 13			4.879	41/2-	13
159HF 14				5.598	14
159HF 15				6.274	15
159HF 16				7.010	16

S-p =	2.930	(0.023)	-----		
S-n =	8.822	(0.024)	-----		
S-2p =	4.011	(0.020)	-----		
S-2n =	20.143	(0.158)	-----		
S-alpha=	-5.225	(0.024)	-----		

S+p =	-0.260	(0.057)			
S+n =	-11.157	(0.019)			
S+2p =	-2.198	(0.162)			
S+2n =	-19.606	(0.029)			
S+alpha =	5.519	(0.061)			

gap p =	2.670	(0.061)			
gap n =	-2.336	(0.031)			
gap 2p =	1.813	(0.163)			
gap 2n =	0.538	(0.161)			
gap alpha =	0.294	(0.065)			