

^{158}W $Z = 74$ $N = 84$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 1241.090 (-0.316) MeV

Qbeta+ = 7.434 (0.353) MeV

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

S-alpha=	-6.578	(-0.441)	-----		

158W	1 0.000	0+			1 1.25 MS 21
S-2p	= 0.474	(-0.350)	-----		
158W	2 0.913	(2+)			2
S-p	= 1.408	(-0.350)	-----		
158W	3 1.679	(4+)			3
158W	4 1.888	(8+)			4 0.143 MS 19
158W	5 2.048	(6+)			5
158W	6 2.846	(10+)			6
158W	7 3.690	(12+)			7
158W	8 4.165	(14+)			8
158W	9 4.368	(16+)			9

S-p = 1.408 (-0.350) -----
 S-n = 12.094 (-0.567) -----
 S-2p = 0.474 (-0.350) -----
 S-2n = 0.000 (-0.000) -----
 S-alpha= -6.578 (-0.441) -----

S+p = 1.685 (-0.448)
 S+n = -9.763 (-0.448)
 S+2p = 0.000 (-0.000)
 S+2n = -21.756 (-0.350)
 S+alpha = 6.758 (-0.453)

gap p = 3.093 (0.569)
 gap n = 2.331 (0.723)
 gap 2p = 0.000 (0.000)
 gap 2n = 0.000 (0.000)
 gap alpha = 0.180 (0.632)