

$^{138}\text{Sn}$        $Z = 50$        $N = 88$       adopted link      ENSDF link

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

BE = 1120.284 (-0.414) MeV

Qbeta- = 9.062 ( 0.498) MeV

	Energy T	J+	J-	J-other	T1/2
138SN 1	0.000	0+			1 140 MS +30-20
138SN 2				0.715 (2+)	2
138SN 3				1.176 (4+)	3
138SN 4				1.344 (6+)	4 210 NS 45

S-p = 17.023 (-0.583)-----  
 S-n = 3.460 (-0.496)-----  
 S-2p = 0.000 (-0.000)-----  
 S-2n = 5.492 (-0.436)-----  
 S-alpha= 8.464 (-0.493)-----

S+p = -11.732 (-0.588)  
 S+n = -1.863 (-0.588)  
 S+2p = -25.386 (-0.414)  
 S+2n = -5.036 (-0.500)  
 S+alpha = -3.466 (-0.703)

gap p = 5.291 ( 0.828)  
 gap n = 1.597 ( 0.769)  
 gap 2p = 0.000 ( 0.000)  
 gap 2n = 0.456 ( 0.663)  
 gap alpha = 4.998 ( 0.859)