I density matrix for n=2 consecutive sites at E=-11.32 for  $W_{max}=0.5$ , N=1- 0.35 0.0 - 0.30 0.5 0.25 1.0 0.20 1.5 - 0.15 2.0 - 0.10 2.5 - 0.05 3.0 3.5 0.0 2.0 3.0 -0.50.5 1.0 1.5 2.5 3.5