d density matrix for n=1 consecutive sites at E=-40.37 for  $W_{max}=8.0$ , N=-0.50-0.250.8 0.00 0.25 0.6 0.50 -0.4 0.75 1.00 - 0.2 1.25 1.50 -0.50 - 0.25 0.000.25 0.50 0.75 1.00 1.25