Energy eigenvalues of H_i and H_0 as a function of interaction st 10.0 7.5 5.0 2.5 Energy 0.0 -2.5-5.0-7.5 H_0 eigenvalues H_i eigenvalues -10.00.00 0.250.50 0.75 1.00 1.25 1.50 1.75 2.00