$N_2$  (6-31g, 10e, 16o) R: 2.4 Å R: 1.2 Å 10°  $10^{-2}$ Energy error (Hartree) Energy error (Hartree)  $10^{-1}$ 10-2  $10^{-3}$ 1000 0.04 800 SCI subspace SCI subspace 0.02 600 0.00 400 -0.02200 -0.040 LUCJ random LUCJ truncated LUCJ compressed