$N_2$  (6-31g, 10e, 16o) R=1.2 Å / all-to-all R=1.2 Å / heavy-hex R=2.4 Å / heavy-hex R=2.4 Å / all-to-allEnergy error (Hartree)  $10^{0}$ rror (Hartree)  $10^{0}$  $10^{-1}$  $10^{-1}$  $10^{-1}$  $10^{-2}$  $10^{-2}$ Energy 10<sup>-2</sup> Energy Energy  $10^{-2}$ 8 9 10 6 8 9 10 5 8 9 10 6 6 6 Repetitions Repetitions Repetitions Repetitions O 10<sup>-2</sup> Operator loss Operator loss Operator loss  $10^{-1}$  $10^{-1}$  $10^{-3}$  $10^{-2}$  $10^{-2}$  $10^{-3}$  $10^{-4}$ 5 6 7 8 9 10 1 2 3 5 6 7 8 9 10 5 6 6 8 4 4 Repetitions Repetitions Repetitions Repetitions

LUCJ-compressed

LUCJ-compressed-1stg

LUCJ-truncated