N<sub>2</sub> (6-31g, 10e, 16o) R=1.2 Å / all-to-all R=1.2 Å / heavy-hex R=2.4 Å / heavy-hexR=2.4 Å / all-to-all $10^{-1}$ (Hartree)  $6 \times 10^{-3}$  $4 \times 10^{-3}$  $10^{-2}$ 10-2  $\frac{1}{2}$   $3 \times 10^{-3}$  $10^{-2}$  $2 \times 10^{-3}$ 4 5 6 7 8 9 10 5 6 7 8 9 10 5 6 7 8 9 10 5 6 7 8 9 10 Repetitions Repetitions Repetitions Repetitions 600 -600 SCI subspace subspace 800 subspace subspace 600 500 700 400 400 400 SCI SCI SCI 600 200 300 200 1 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10 Repetitions Repetitions Repetitions Repetitions factor\_2.5 LUCJ-full factor None factor 0.5 factor 1.5 factor 2