CCSD initial parameters n2 sto-6g (10e, 8o) R=1.0 Å all-to-all Energy error (Hartree) 10^{-2} 10^{-3} 10^{-4} square Energy error (Hartree) 10^{-3} 10 12 14 16 18 20 22 24 10 12 16 18 20 22 24 8 14 Repetitions Repetitions 0.100 0.100 **UCCSD** init o.075 dnared 0.050 o.075 o.050 LUCJ full (30 reps) LUCJ truncated LUCJ Compressed-t2 truncated ud 9.025 uids 0.025 **---** LUCJ Compressed-t2 multi-stage 0.000 0.000 10 16 18 20 22 24 10 12 16 18 20 22 24 8 Repetitions Repetitions 0.006 0.010 0.004 - ' SO 0.005 0.002 0.000 -0.000 12 14 16 18 20 20 22 16

Repetitions

Repetitions