runs/compare_vqe/bench_budget_fractions_L2_L3_L4.png
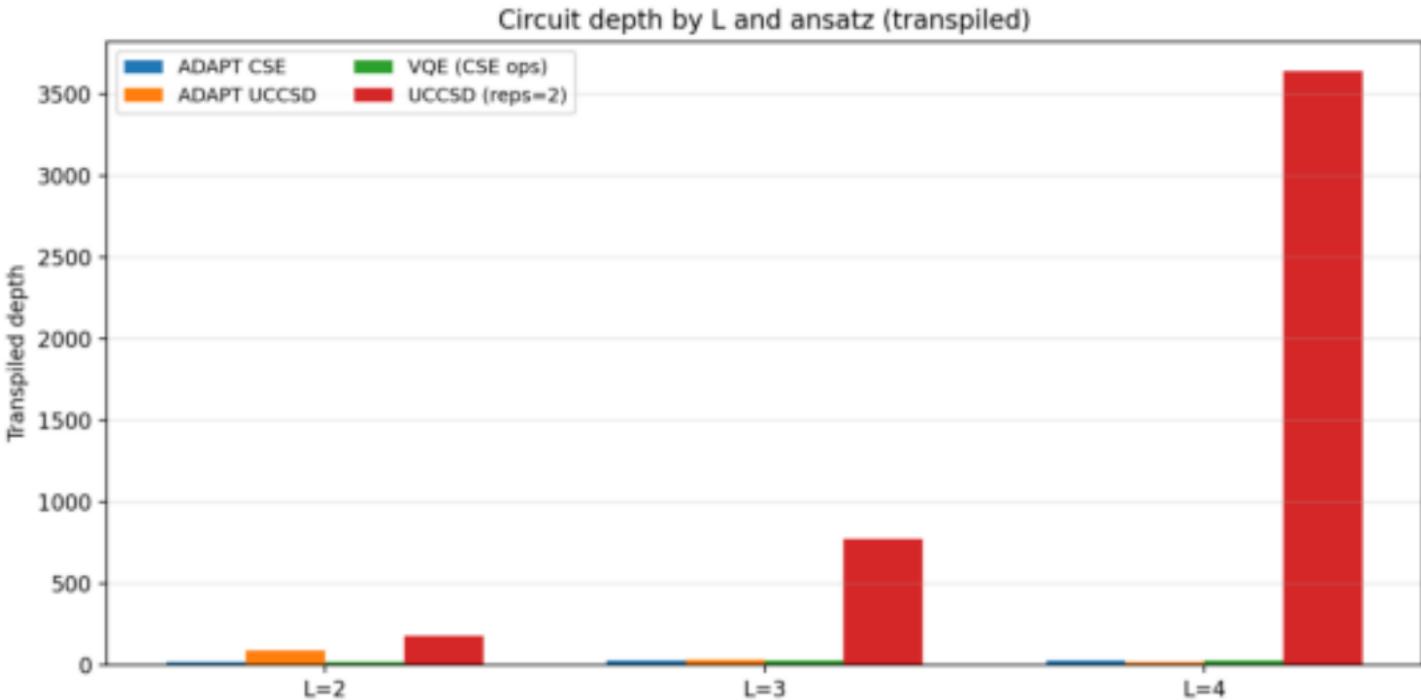
runs/compare_vqe/bench_circuit_metrics_L2_L3_L4.png
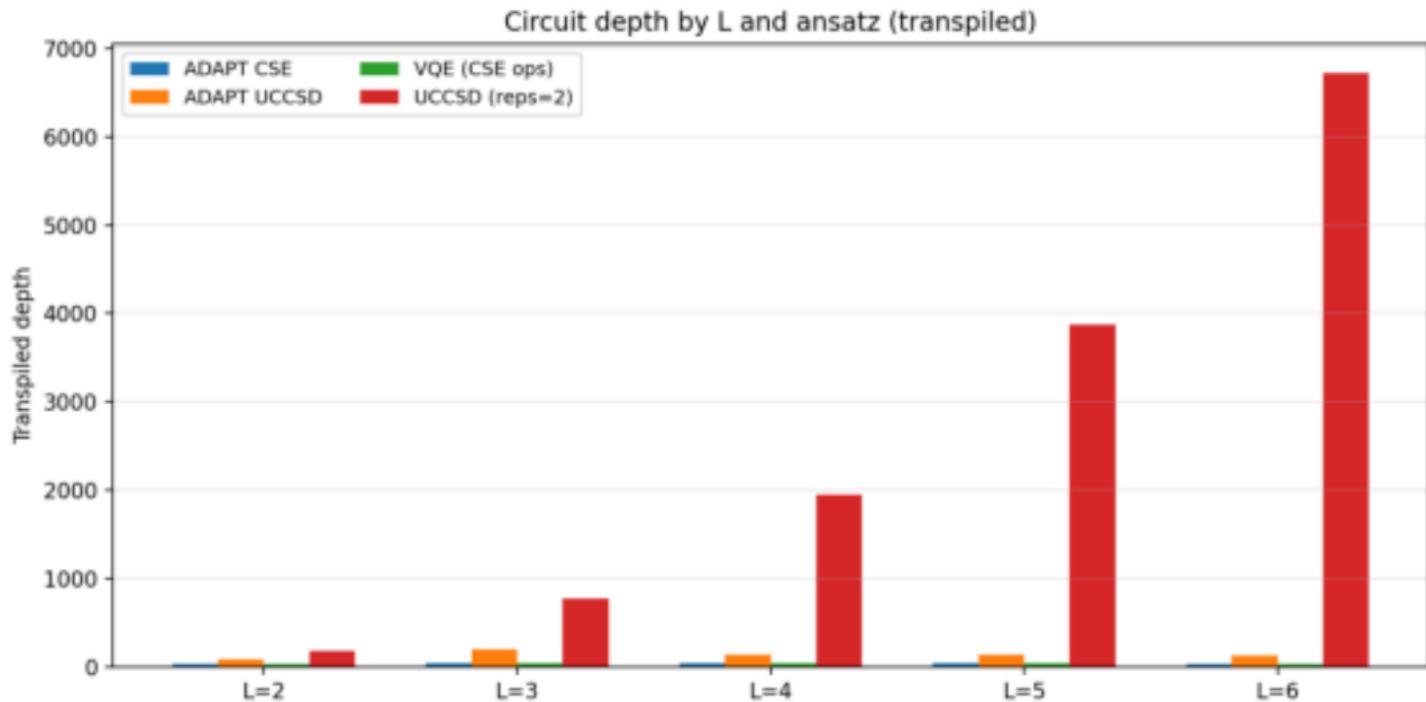
runs/compare_vqe/bench_cost_metrics_L2_L3_L4.png

runs/compare_vqe/bench_depth_transpiled_L2_L3_L4.png

Circuit depth by L and ansatz (transpiled)
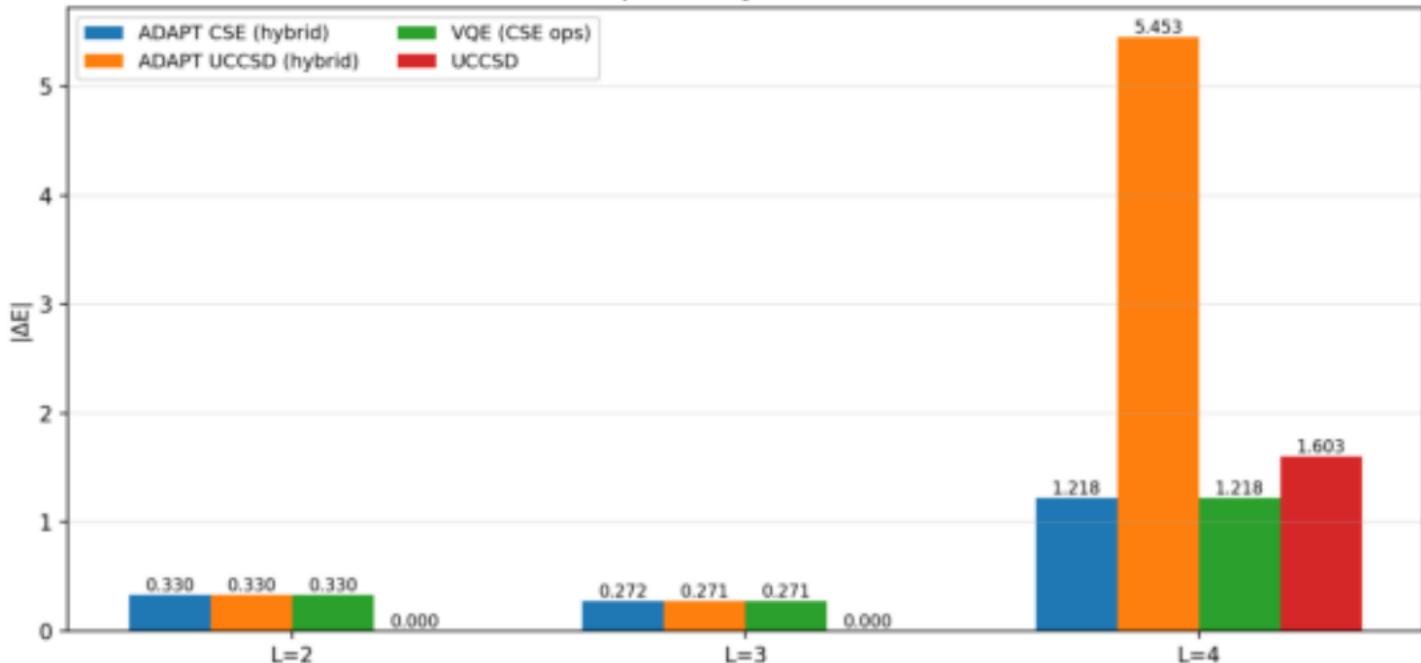
runs/compare_vqe/circuit_metrics_depth.png
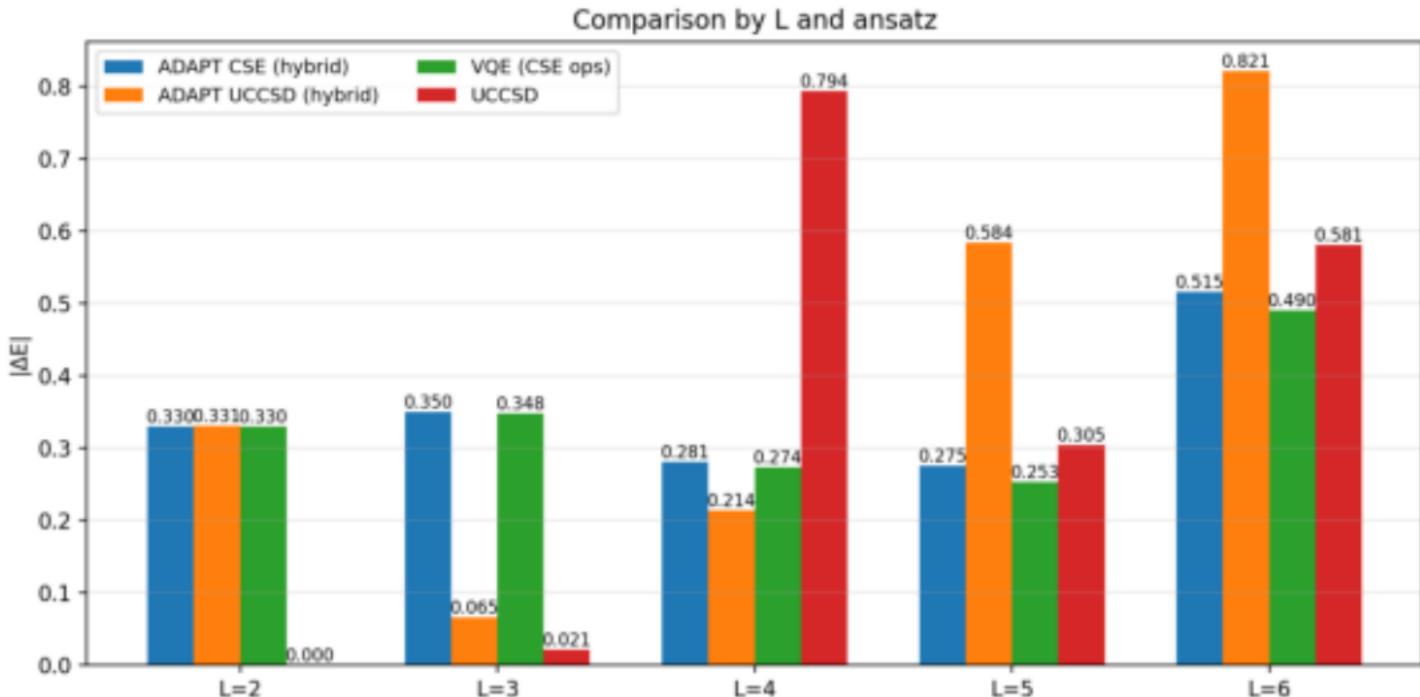
Circuit depth by L and ansatz (transpiled)

runs/compare_vqe/compare_bar_abs_L2_L3_L4.png

Comparison by L and ansatz
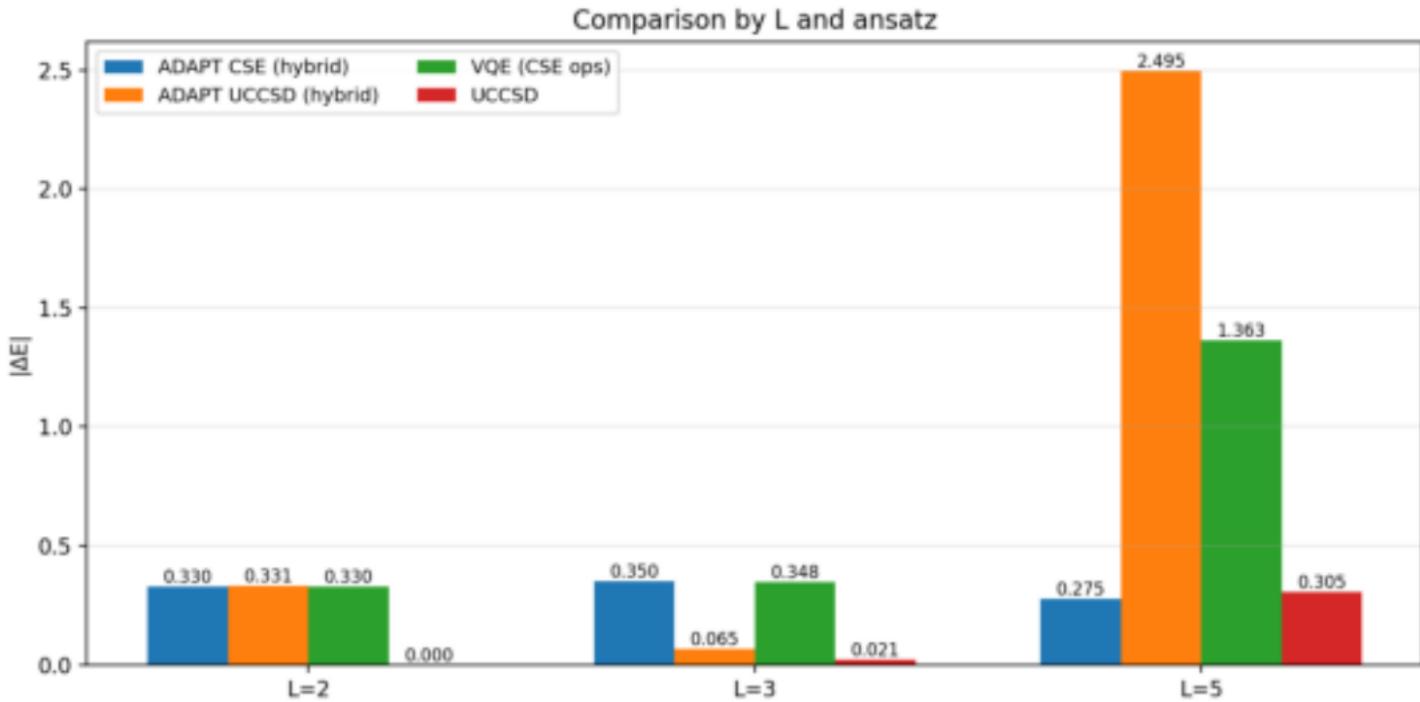
runs/compare_vqe/compare_bar_abs_L2_L3_L4_L5.png
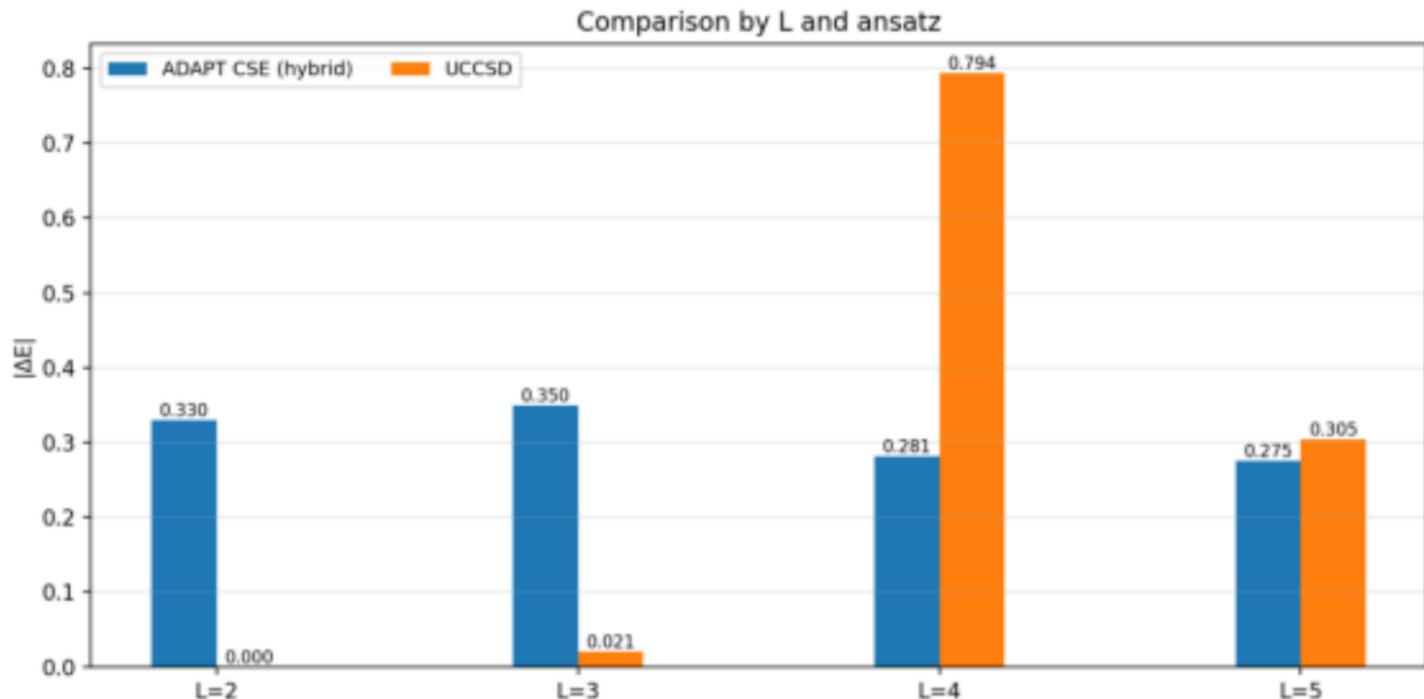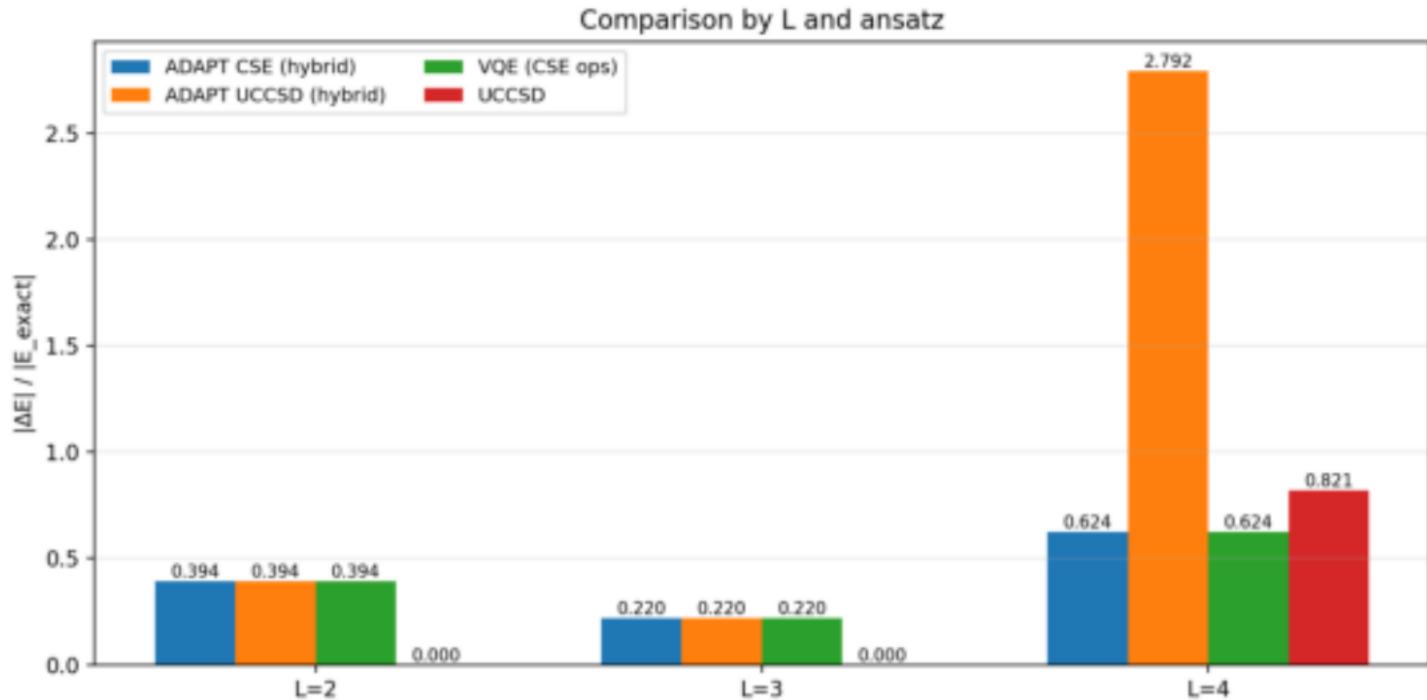
Comparison by L and ansatz

runs/compare_vqe/compare_bar_abs_L2_L3_L4_L5_L6.png

Comparison by L and ansatz

runs/compare_vqe/compare_bar_abs_L2_L3_L5.png

Comparison by L and ansatz

runs/compare_vqe/compare_bar_abs_L2_L5.png

Comparison by L and ansatz

runs/compare_vqe/compare_bar_rel_L2_L3_L4.png

Comparison by L and ansatz
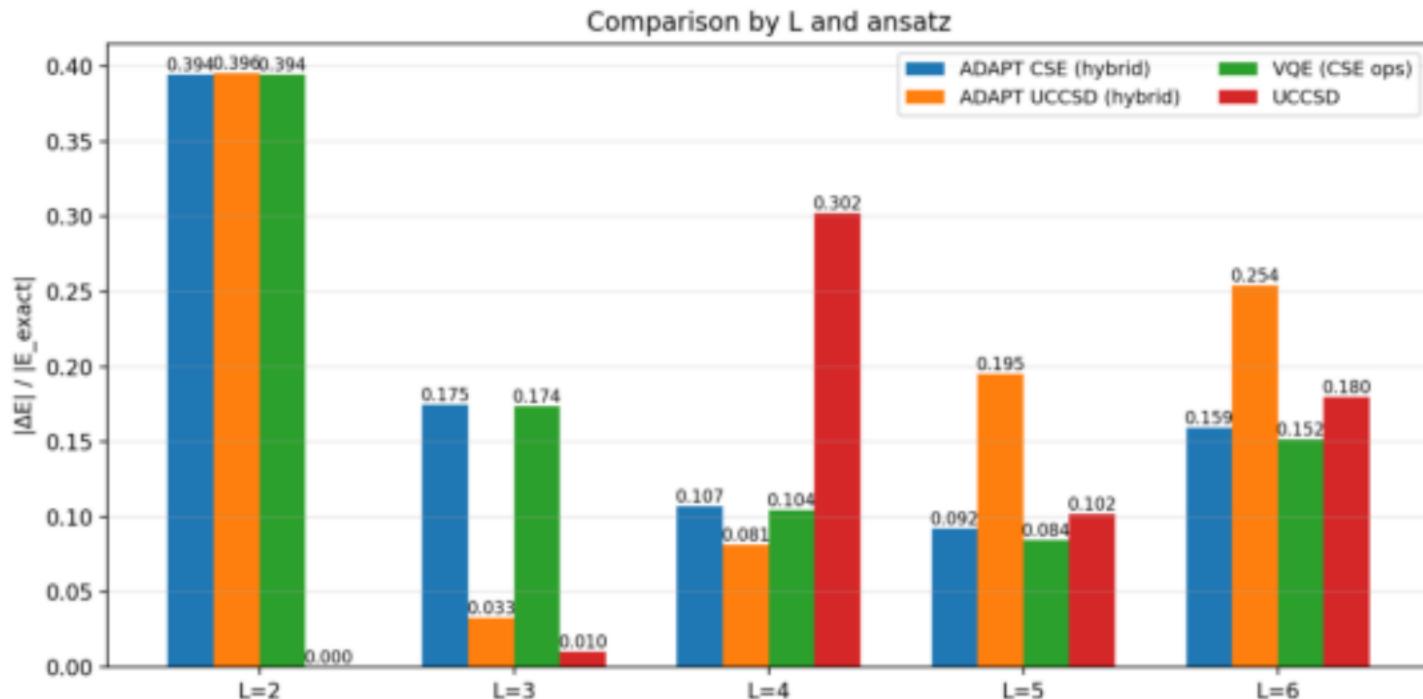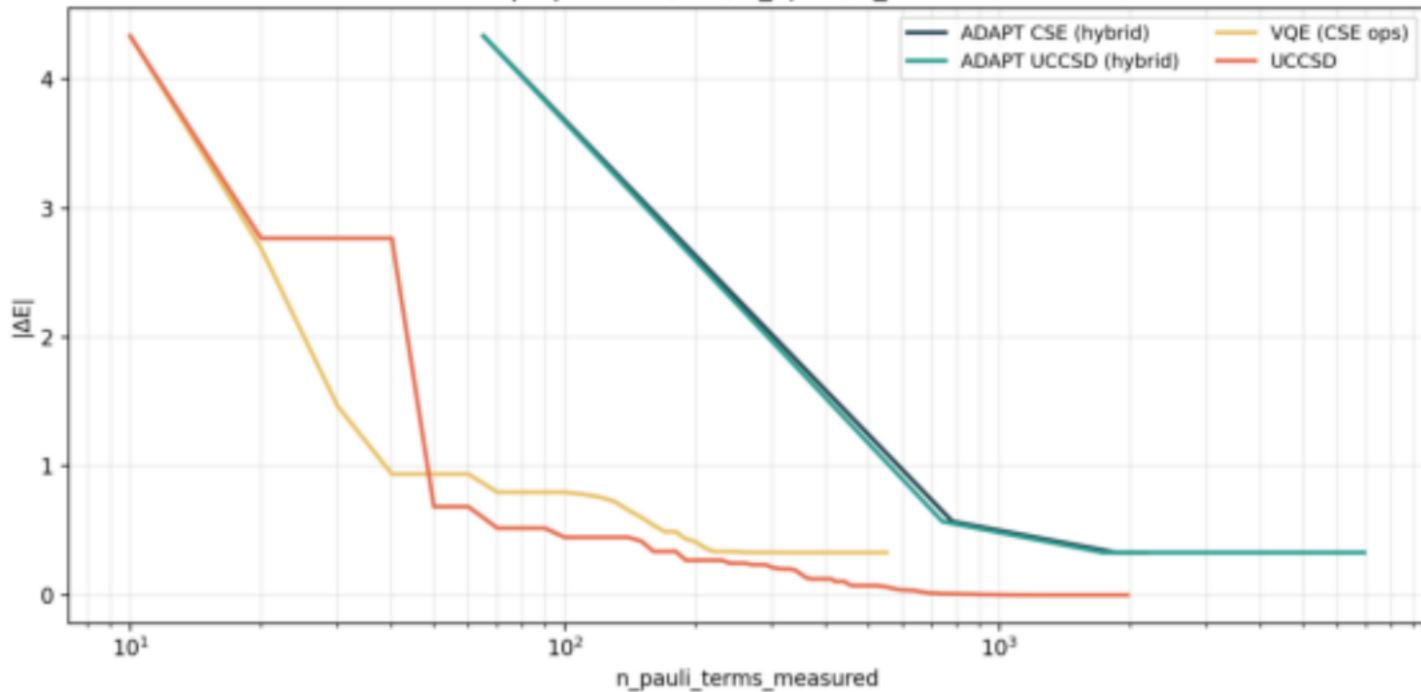
runs/compare_vqe/compare_bar_rel_L2_L3_L4_L5_L6.png

Comparison by L and ansatz
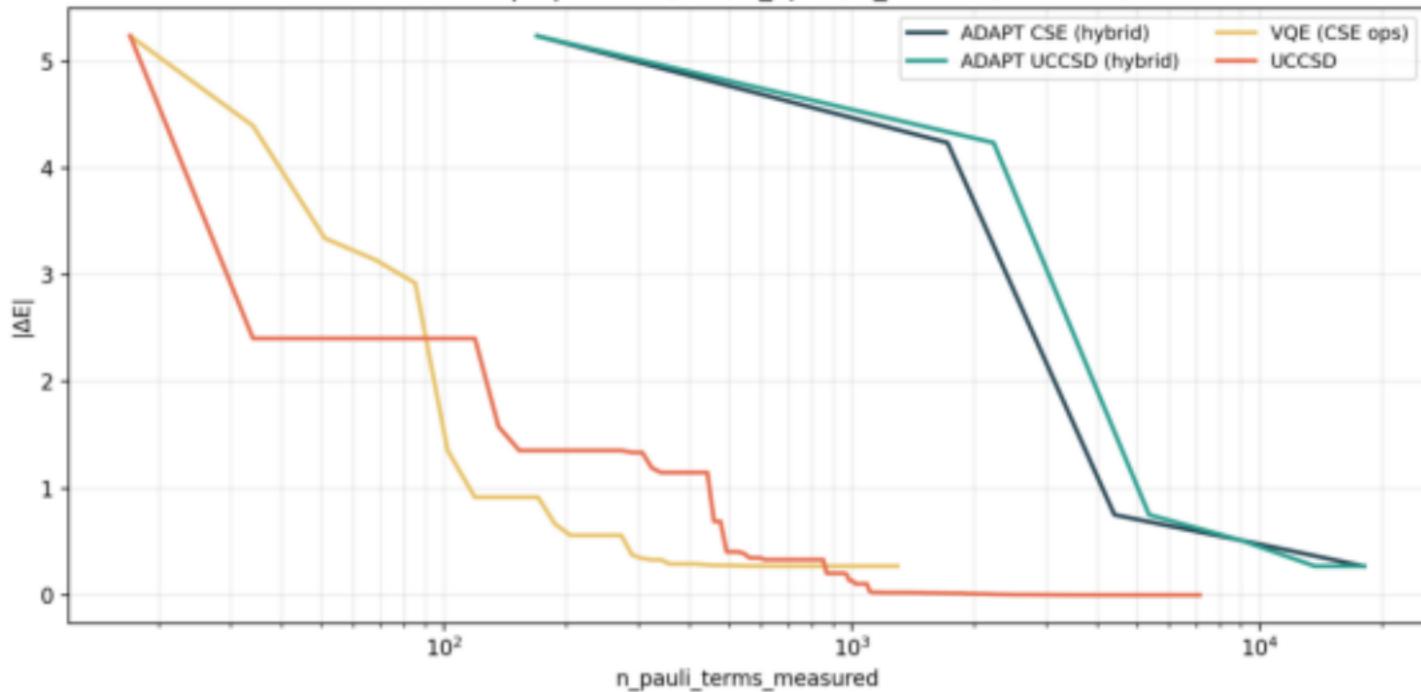
runs/compare_vqe/cost_curve_abs_delta_e_vs_n_pauli_terms_measured_L2_Nup1_Ndown1.png

Best-so-far |ΔE| vs cost (L=2, n_up=1, n_down=1, Sz=+0.0)
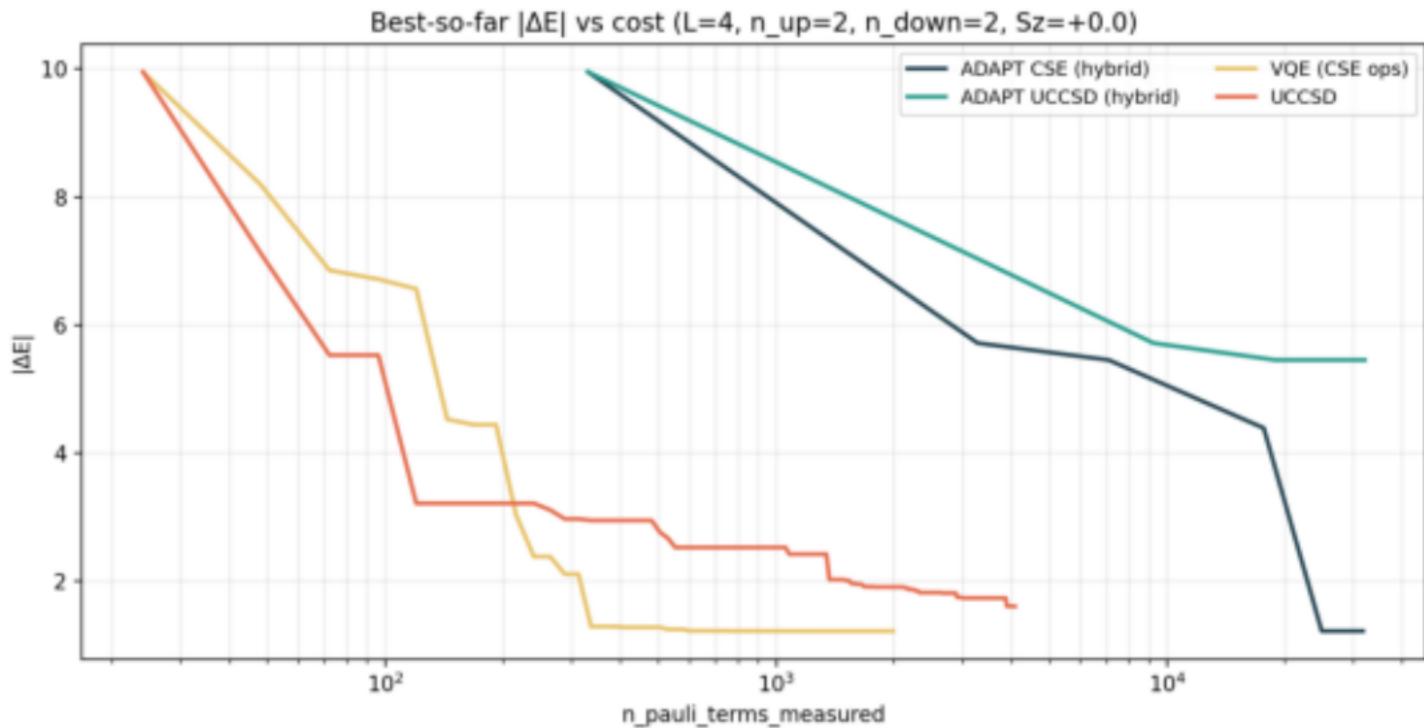
runs/compare_vqe/cost_curve_abs_delta_e_vs_n_pauli_terms_measured_L3_Nup2_Ndown1.png

Best-so-far |ΔE| vs cost (L=3, n_up=2, n_down=1, Sz=+0.5)
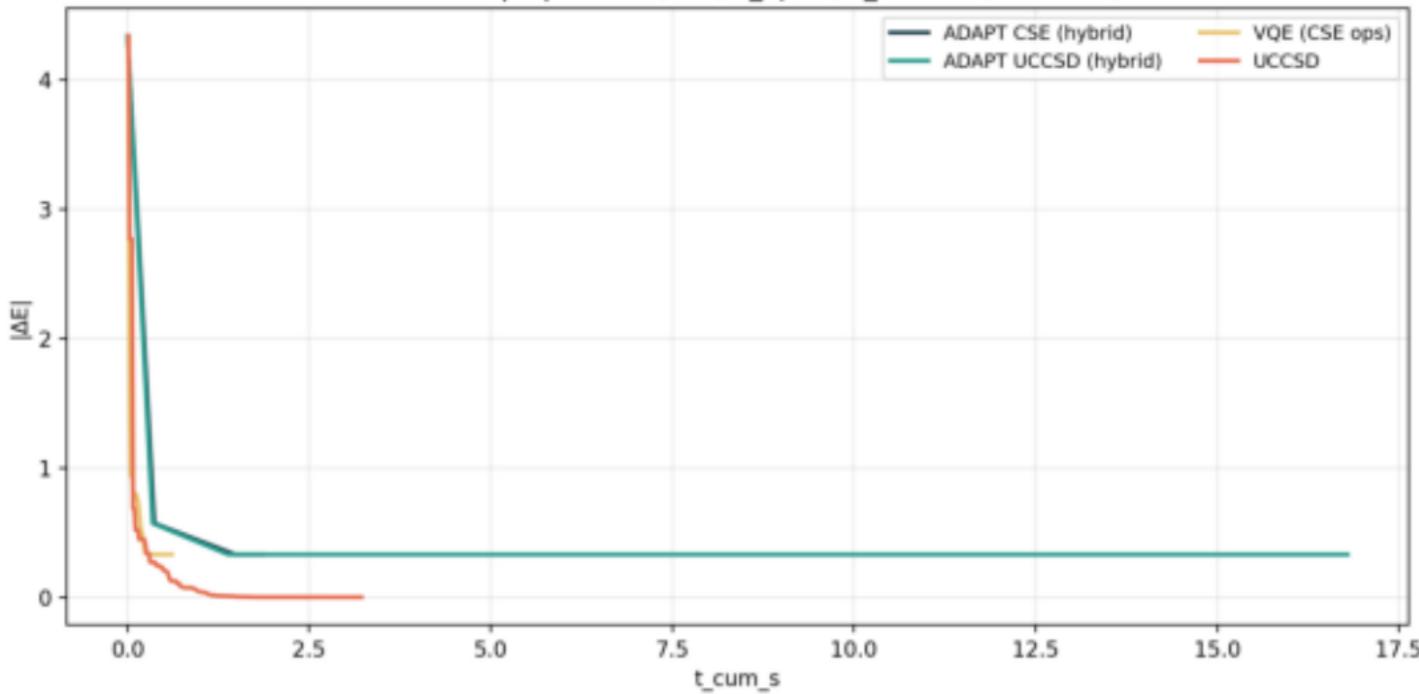
runs/compare_vqe/cost_curve_abs_delta_e_vs_n_pauli_terms_measured_L4_Nup2_Ndown2.png

Best-so-far |ΔE| vs cost (L=4, n_up=2, n_down=2, Sz=+0.0)
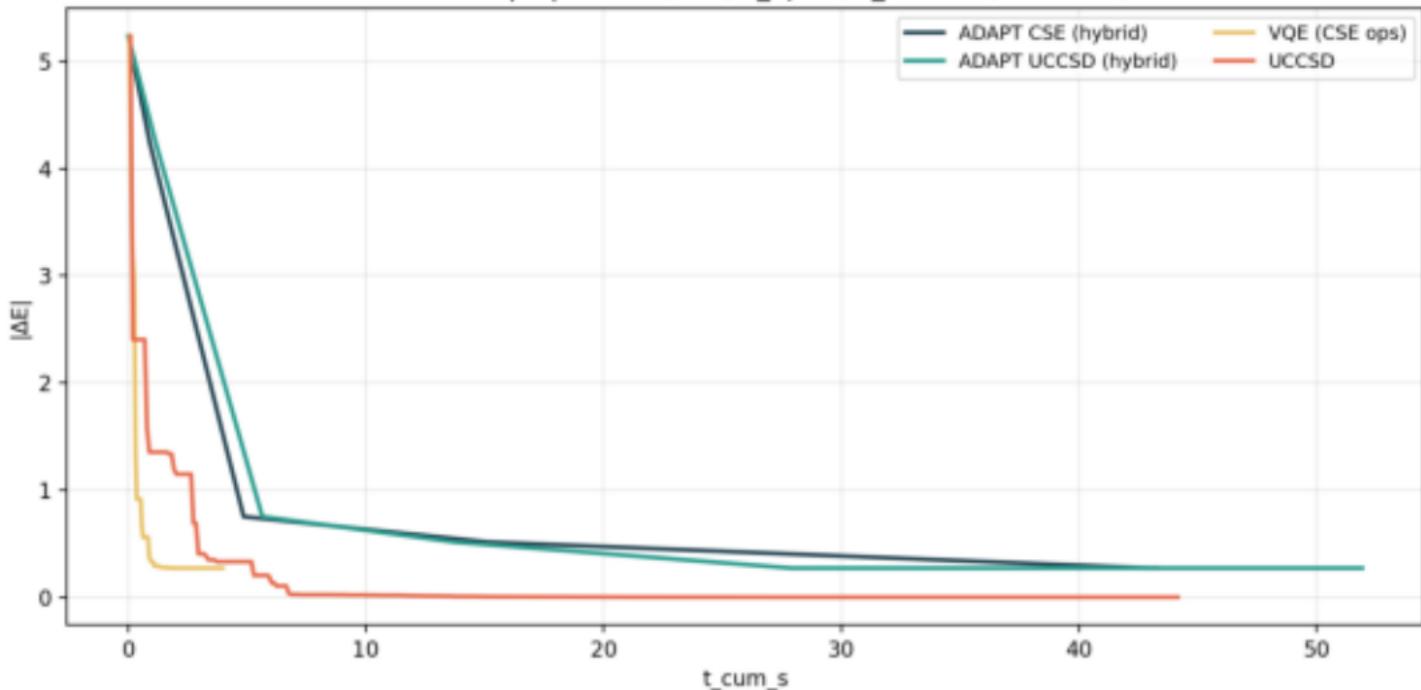
runs/compare_vqe/cost_curve_abs_delta_e_vs_t_cum_s_L2_Nup1_Ndown1.png

Best-so-far |ΔE| vs cost (L=2, n_up=1, n_down=1, Sz=+0.0)

Legend:
- ADAPT CSE (hybrid)
- ADAPT UCCSD (hybrid)
- VQE (CSE ops)
- UCCSD
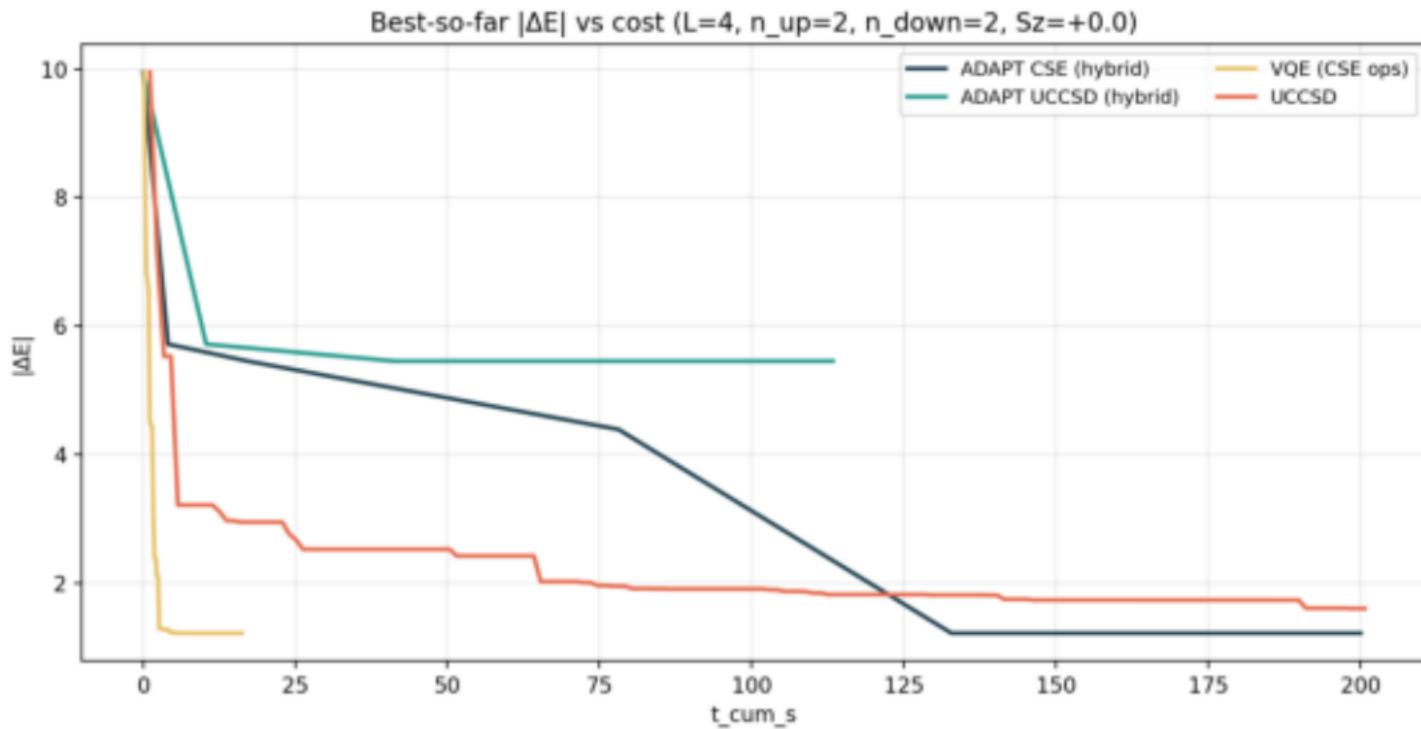
runs/compare_vqe/cost_curve_abs_delta_e_vs_t_cum_s_L3_Nup2_Ndown1.png

Best-so-far |ΔE| vs cost (L=3, n_up=2, n_down=1, Sz=+0.5)
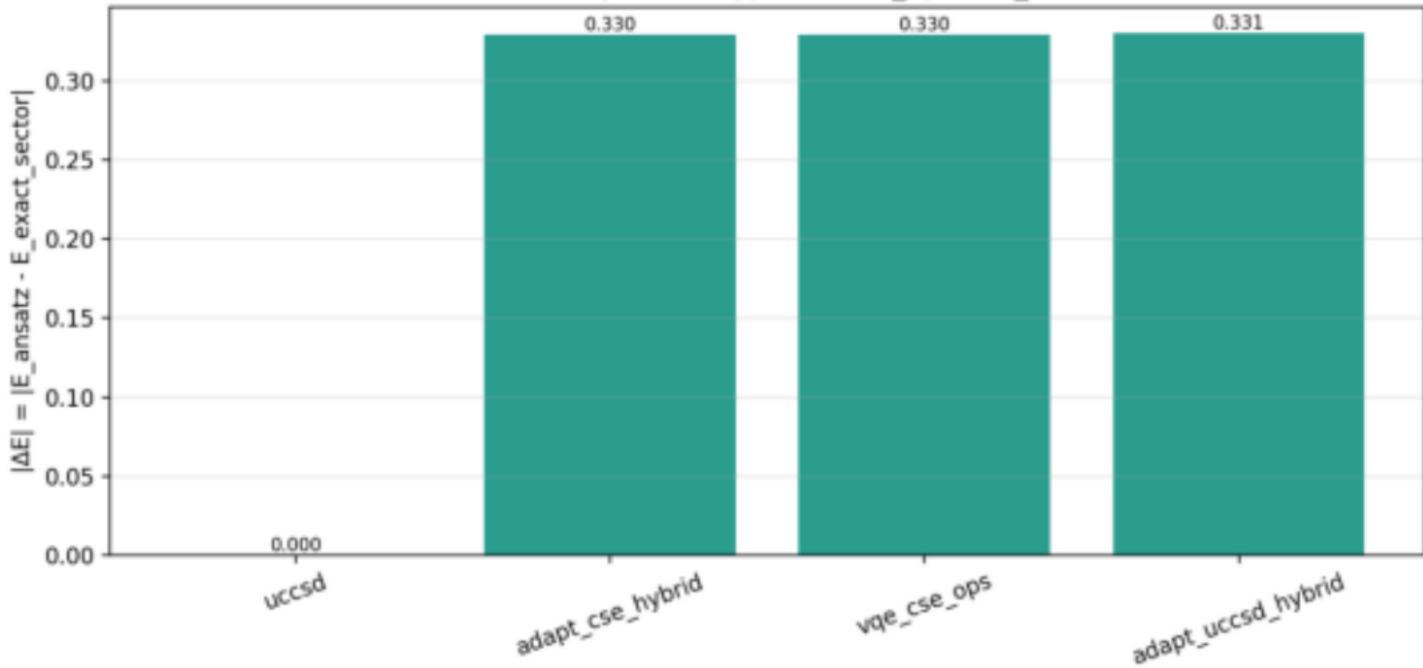
runs/compare_vqe/cost_curve_abs_delta_e_vs_t_cum_s_L4_Nup2_Ndown2.png


Best-so-far |ΔE| vs cost (L=4, n_up=2, n_down=2, Sz=+0.0)
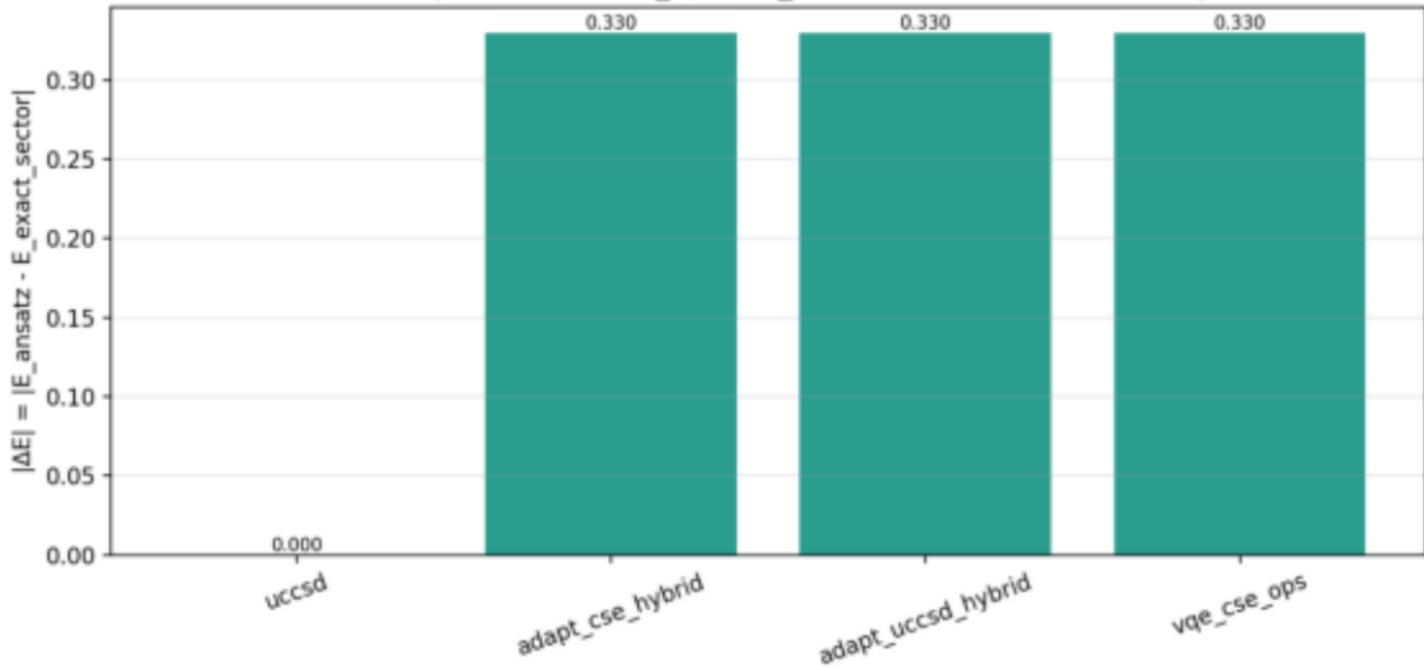
runs/compare_vqe/delta_e_abs_hist_L2.png

Absolute error by ansatz type (L=2, n_up=1, n_down=1)
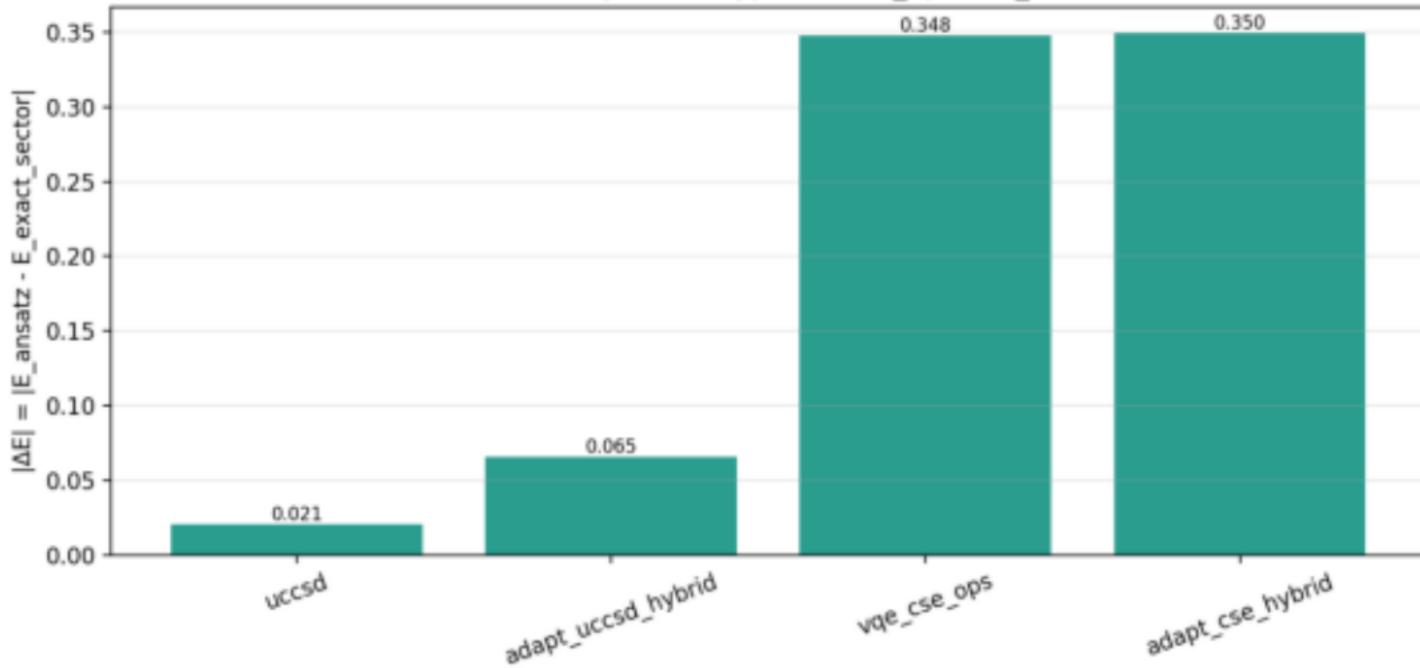
runs/compare_vqe/delta_e_abs_hist_L2_Nup1_Ndown1.png

Absolute error by ansatz (L=2, n_up=1, n_down=1, N=2, Sz=+0.0, filling=1.000)
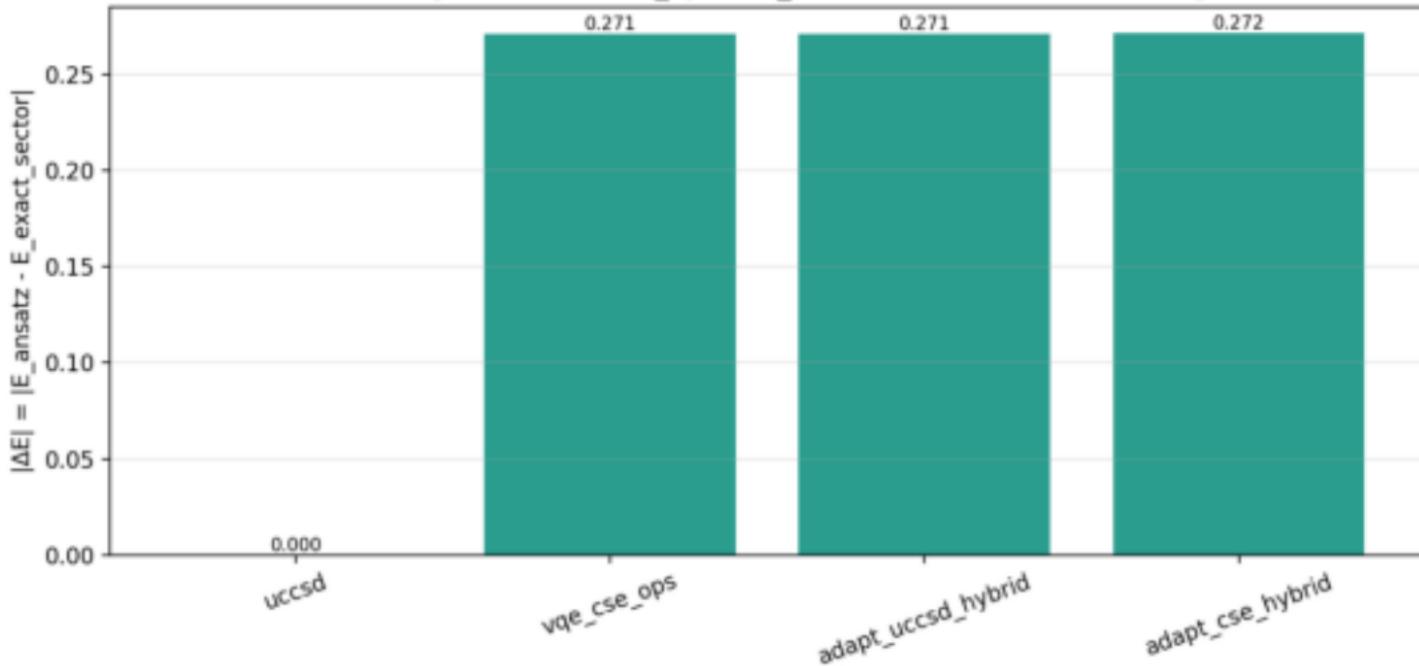
runs/compare_vqe/delta_e_abs_hist_L3.png

Absolute error by ansatz type (L=3, n_up=1, n_down=1)
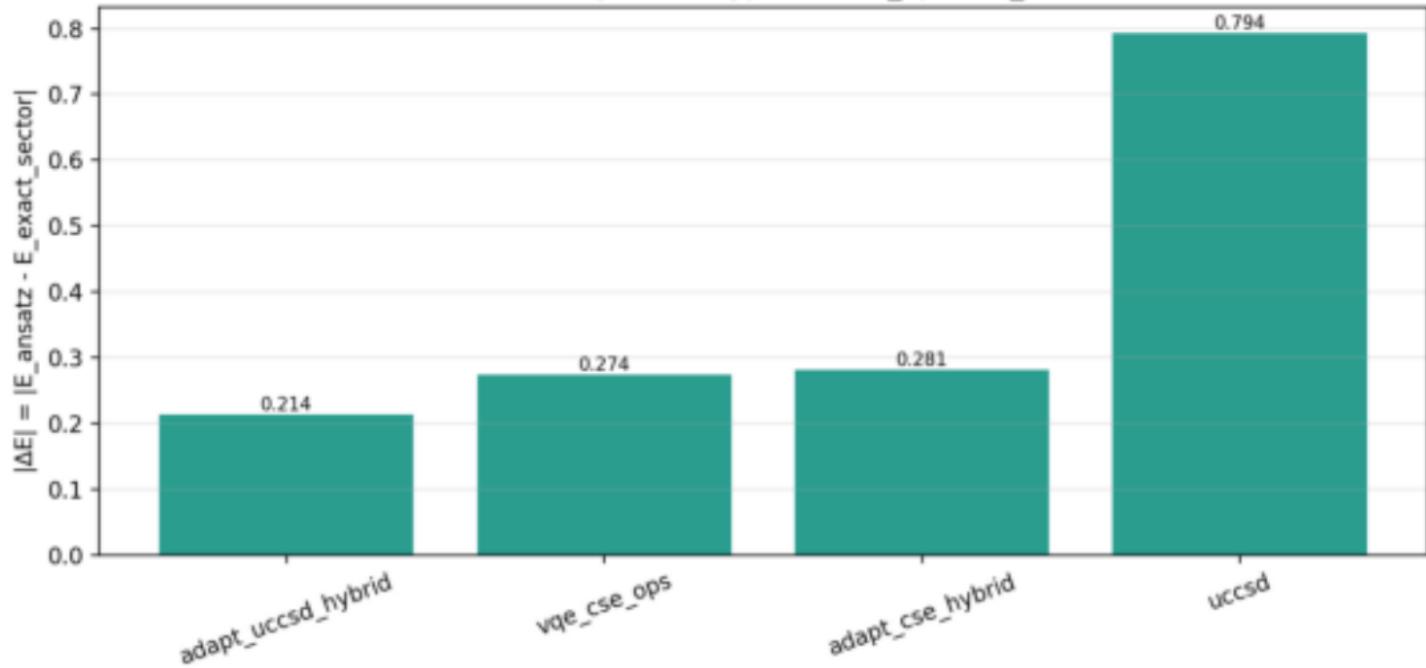
runs/compare_vqe/delta_e_abs_hist_L3_Nup2_Ndown1.png

Absolute error by ansatz (L=3, n_up=2, n_down=1, N=3, Sz=+0.5, filling=1.000)
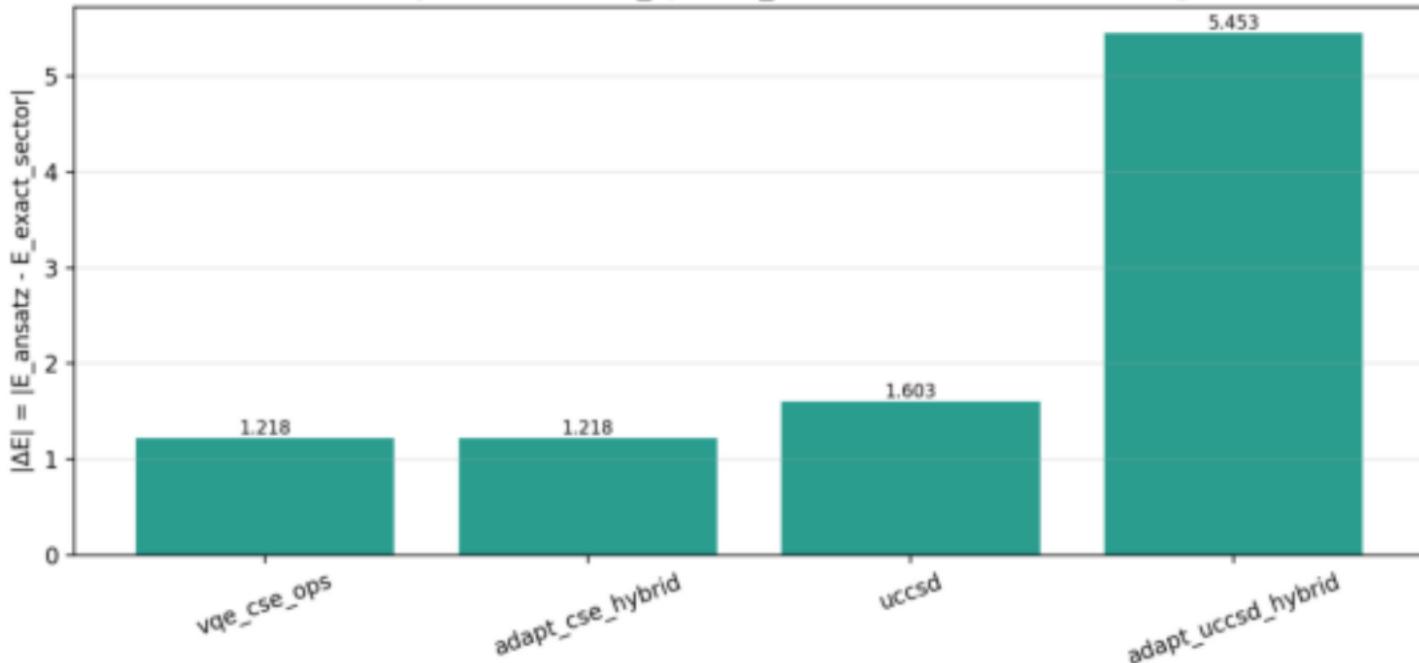
runs/compare_vqe/delta_e_abs_hist_L4.png

Absolute error by ansatz type (L=4, n_up=1, n_down=1)
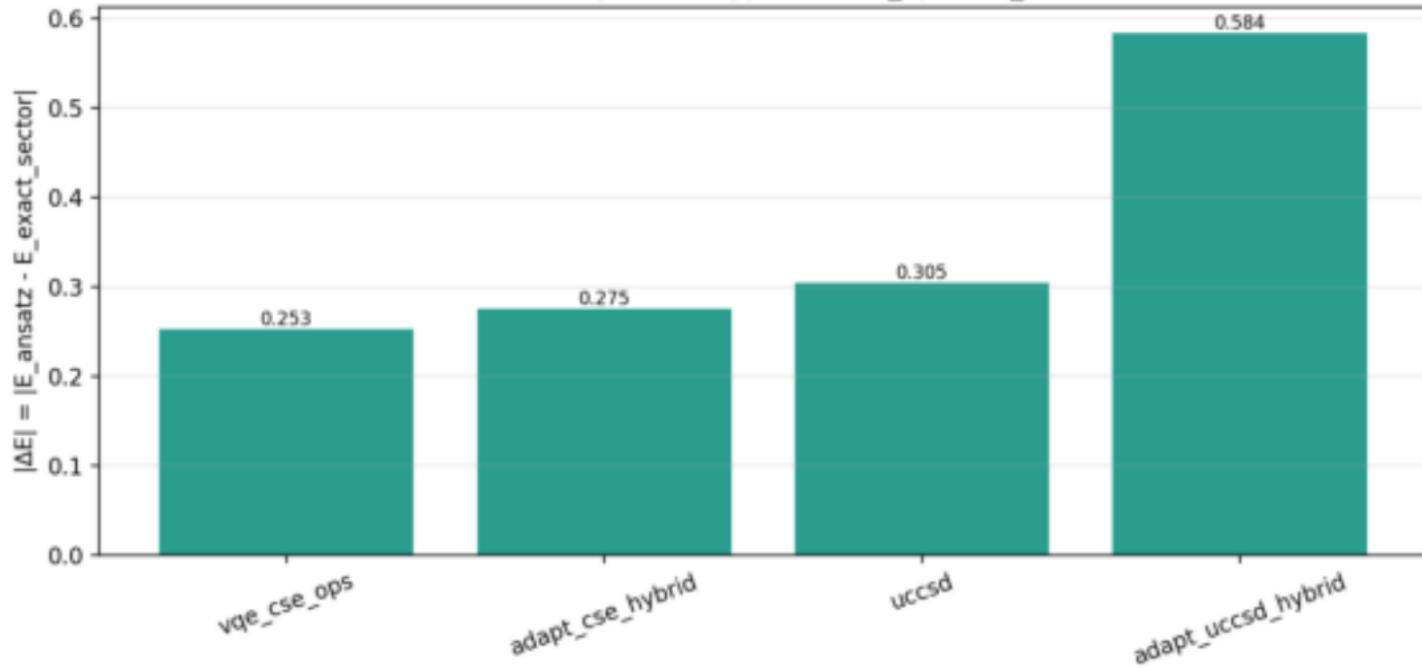
runs/compare_vqe/delta_e_abs_hist_L4_Nup2_Ndown2.png

Absolute error by ansatz (L=4, n_up=2, n_down=2, N=4, Sz=+0.0, filling=1.000)
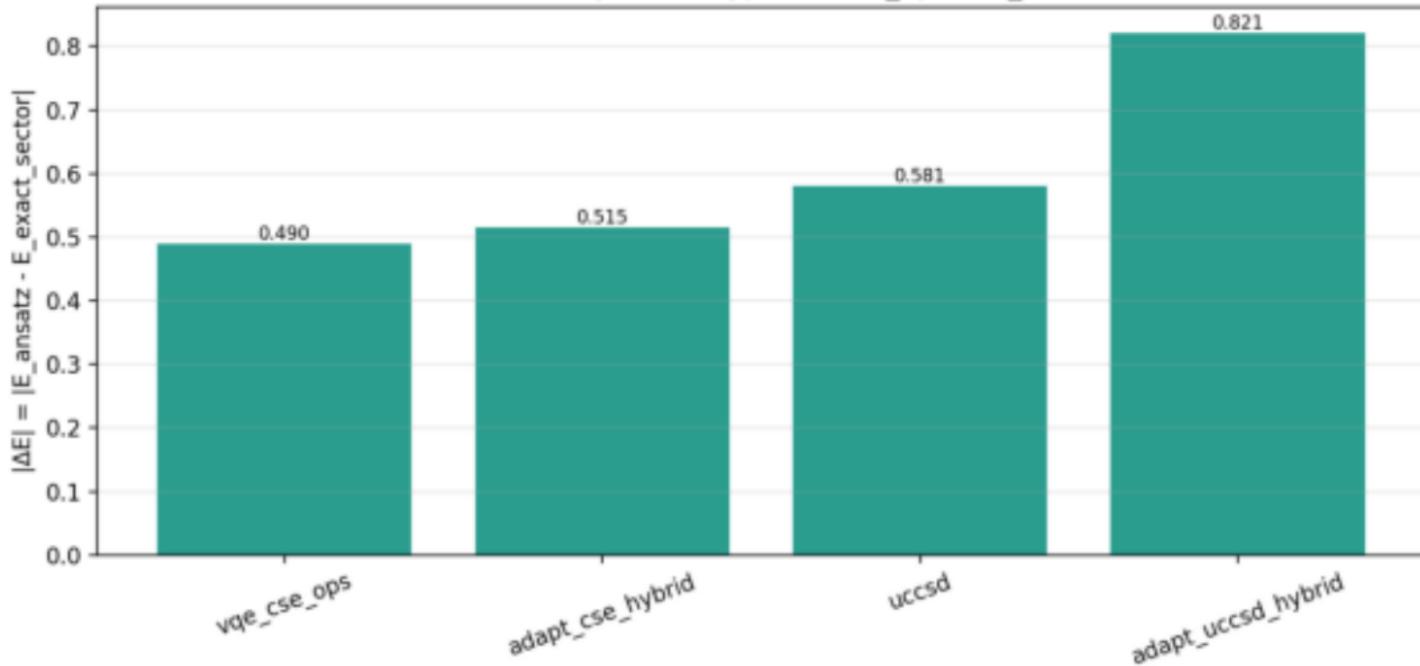
runs/compare_vqe/delta_e_abs_hist_L5.png


Absolute error by ansatz type (L=5, n_up=1, n_down=1)
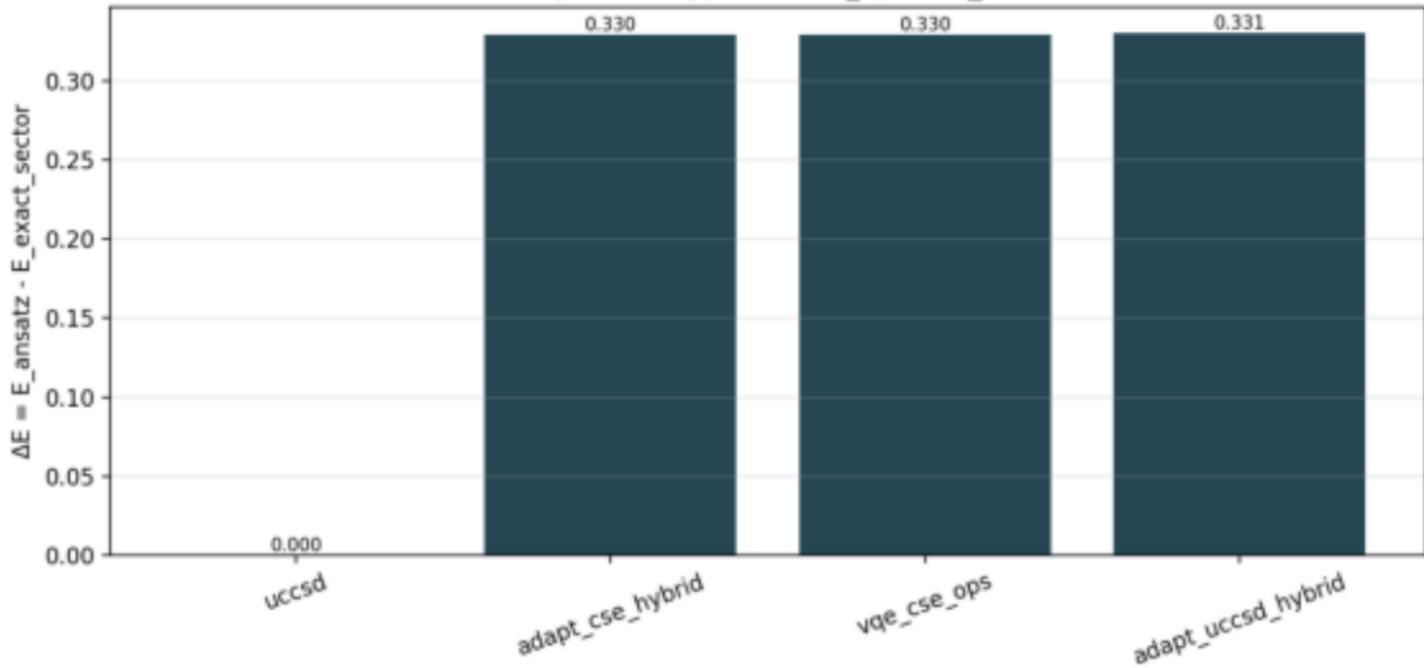
runs/compare_vqe/delta_e_abs_hist_L6.png


Absolute error by ansatz type (L=6, n_up=1, n_down=1)
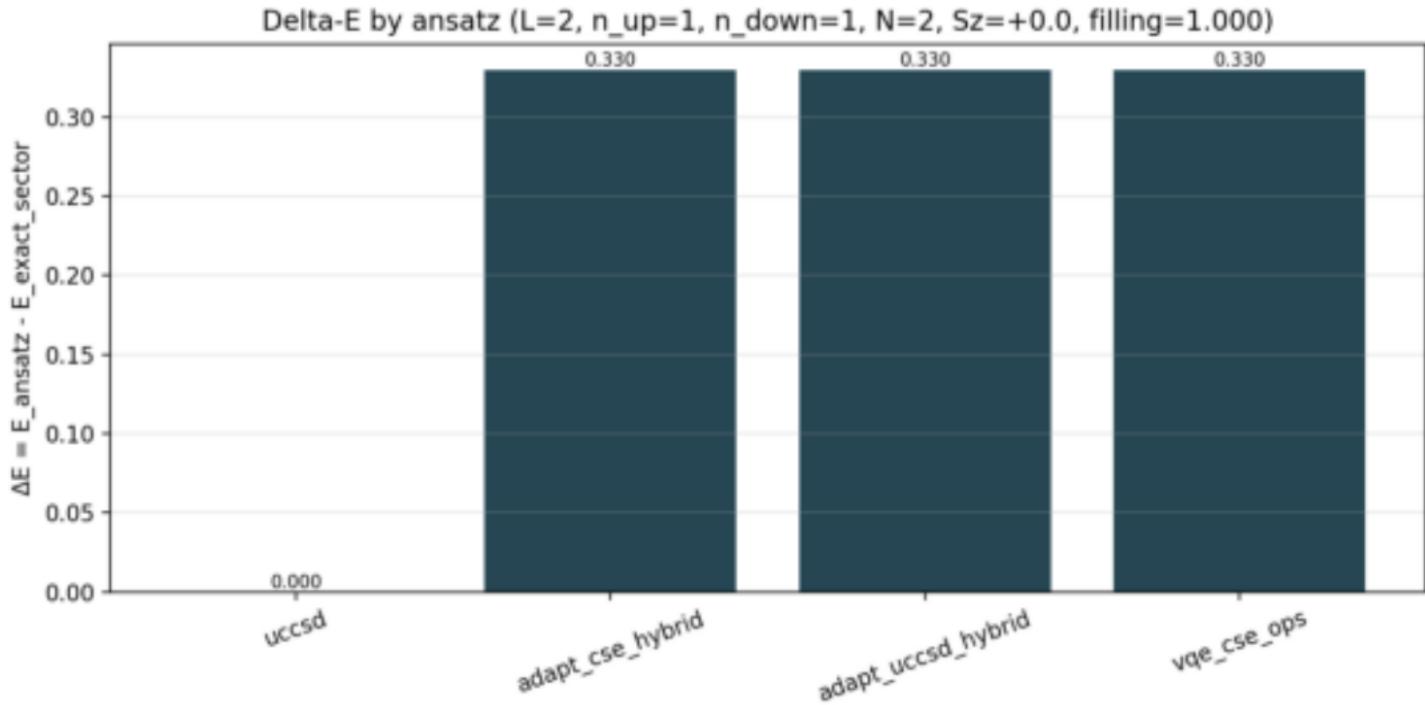
runs/compare_vqe/delta_e_hist_L2.png


Delta-E by ansatz type (L=2, n_up=1, n_down=1)
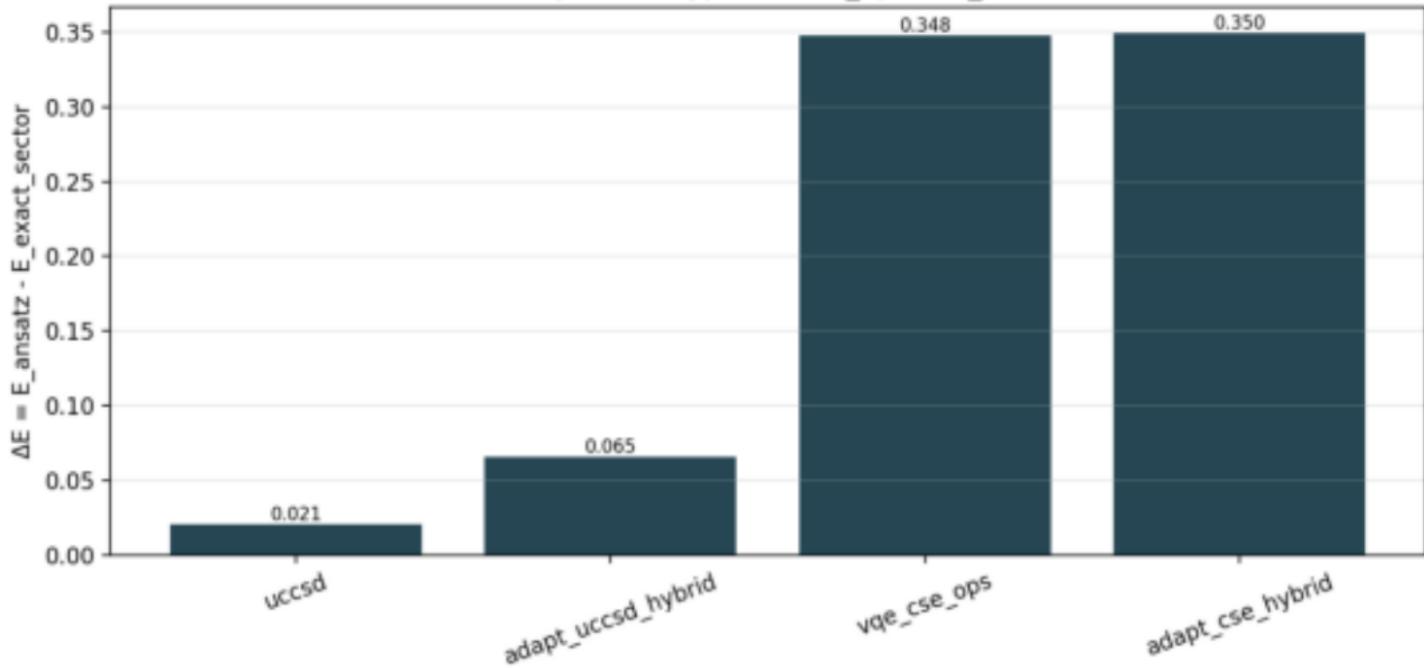
runs/compare_vqe/delta_e_hist_L2_Nup1_Ndown1.png

Delta-E by ansatz (L=2, n_up=1, n_down=1, N=2, Sz=+0.0, filling=1.000)
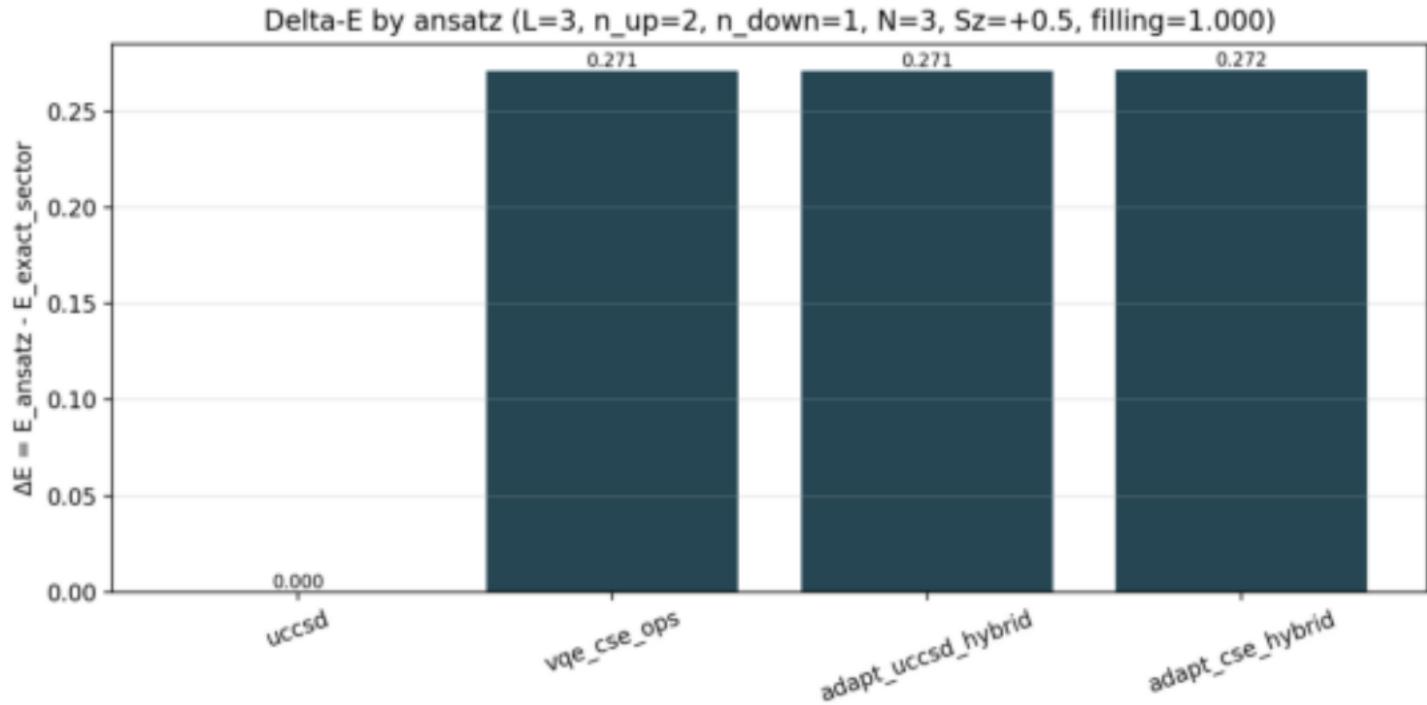
runs/compare_vqe/delta_e_hist_L3.png

Delta-E by ansatz type (L=3, n_up=1, n_down=1)
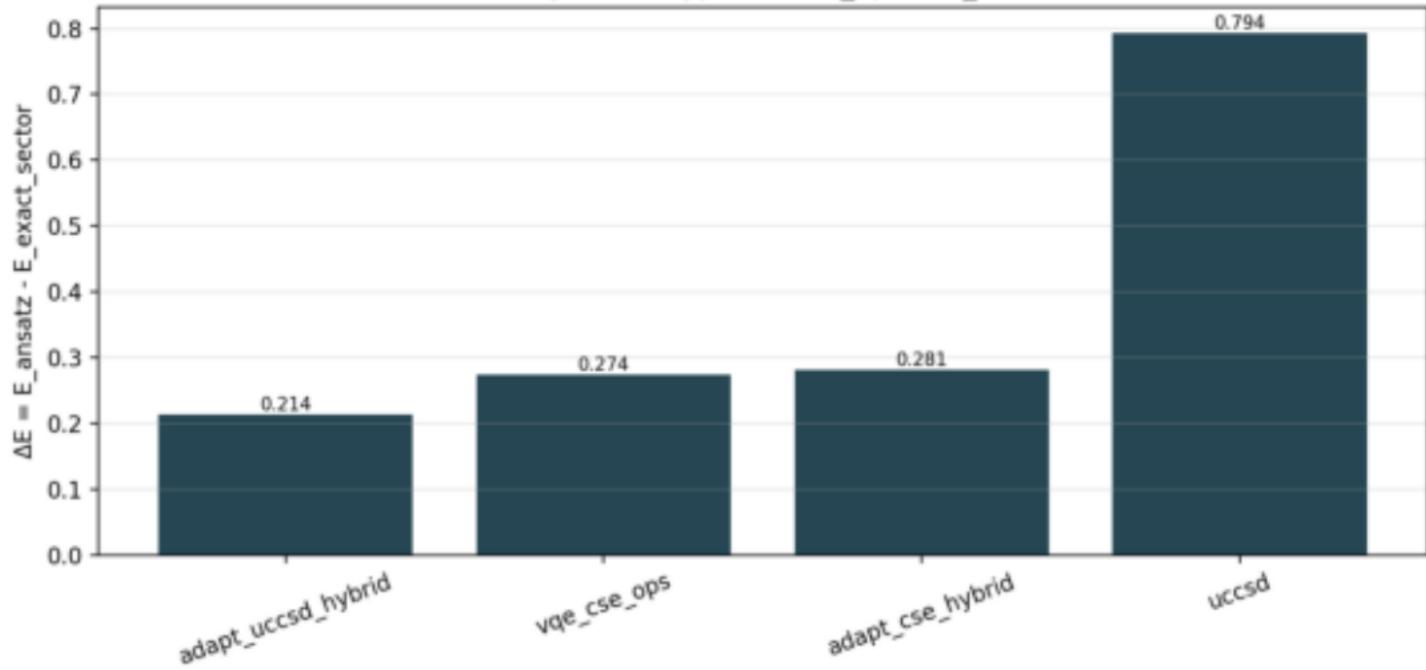
runs/compare_vqe/delta_e_hist_L3_Nup2_Ndown1.png

Delta-E by ansatz (L=3, n_up=2, n_down=1, N=3, Sz=+0.5, filling=1.000)
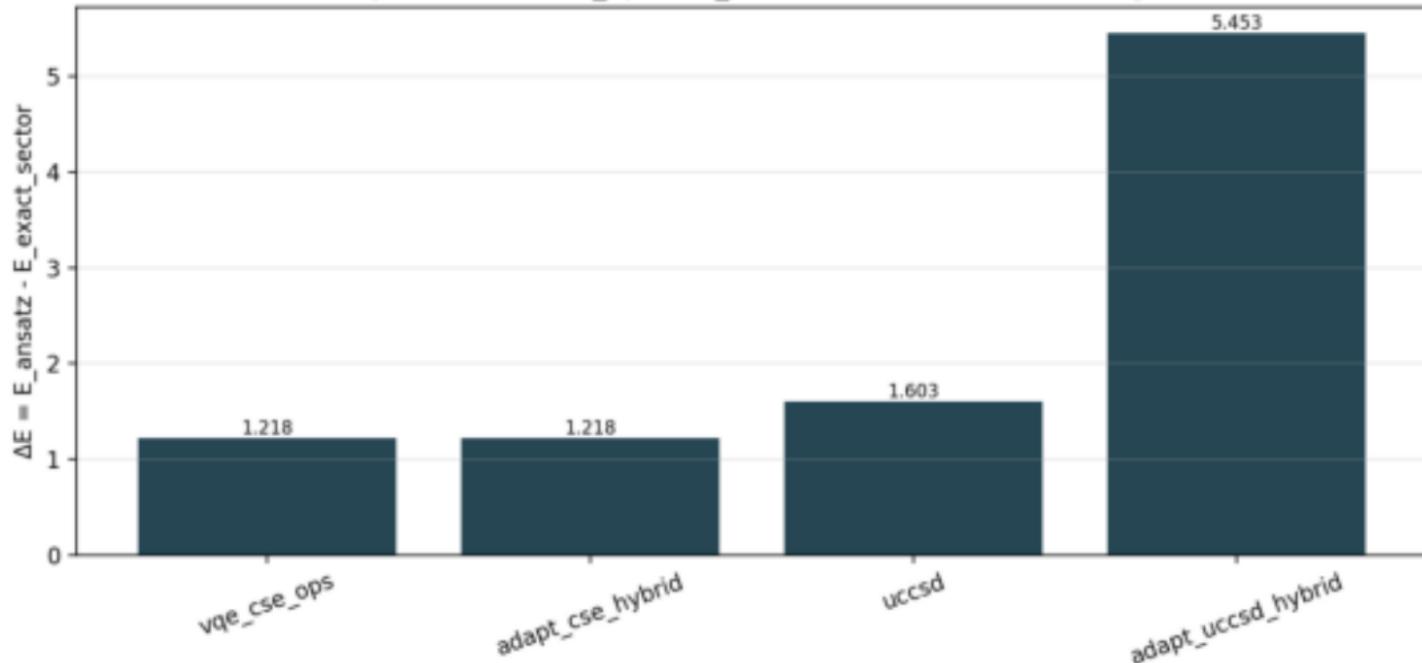
runs/compare_vqe/delta_e_hist_L4.png

Delta-E by ansatz type (L=4, n_up=1, n_down=1)
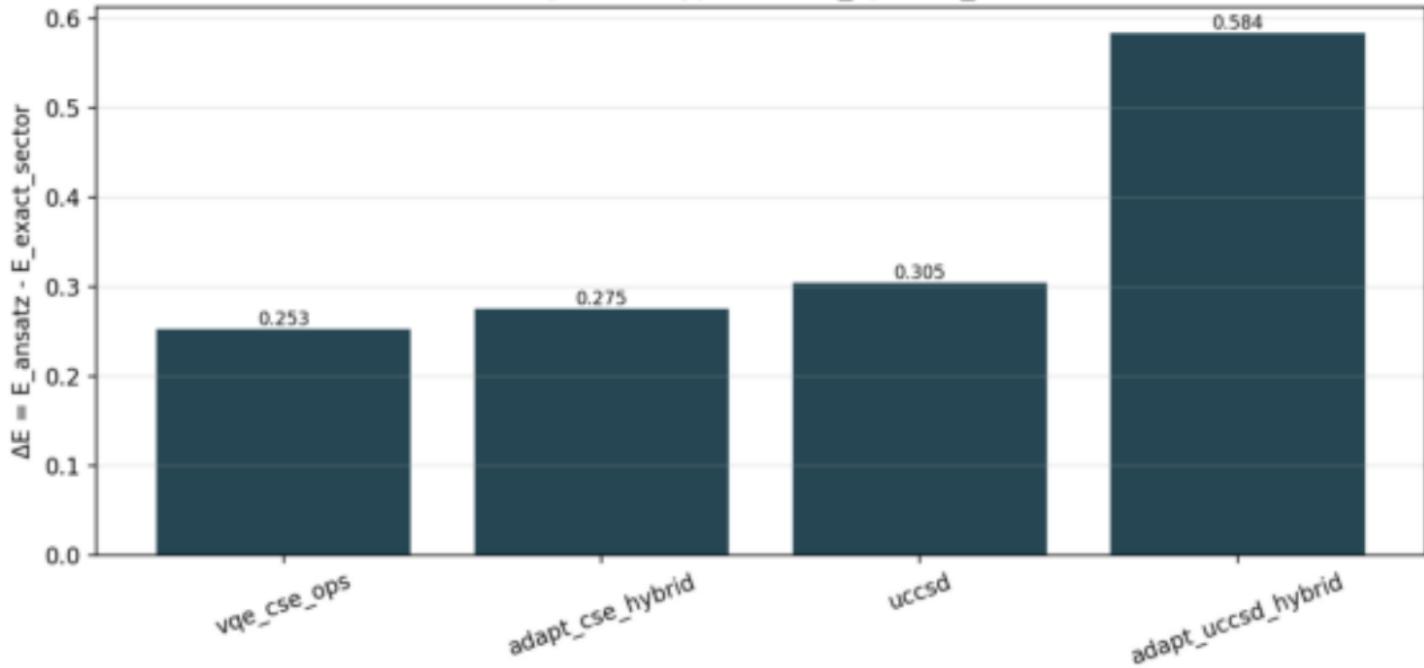
runs/compare_vqe/delta_e_hist_L4_Nup2_Ndown2.png

Delta-E by ansatz (L=4, n_up=2, n_down=2, N=4, Sz=+0.0, filling=1.000)
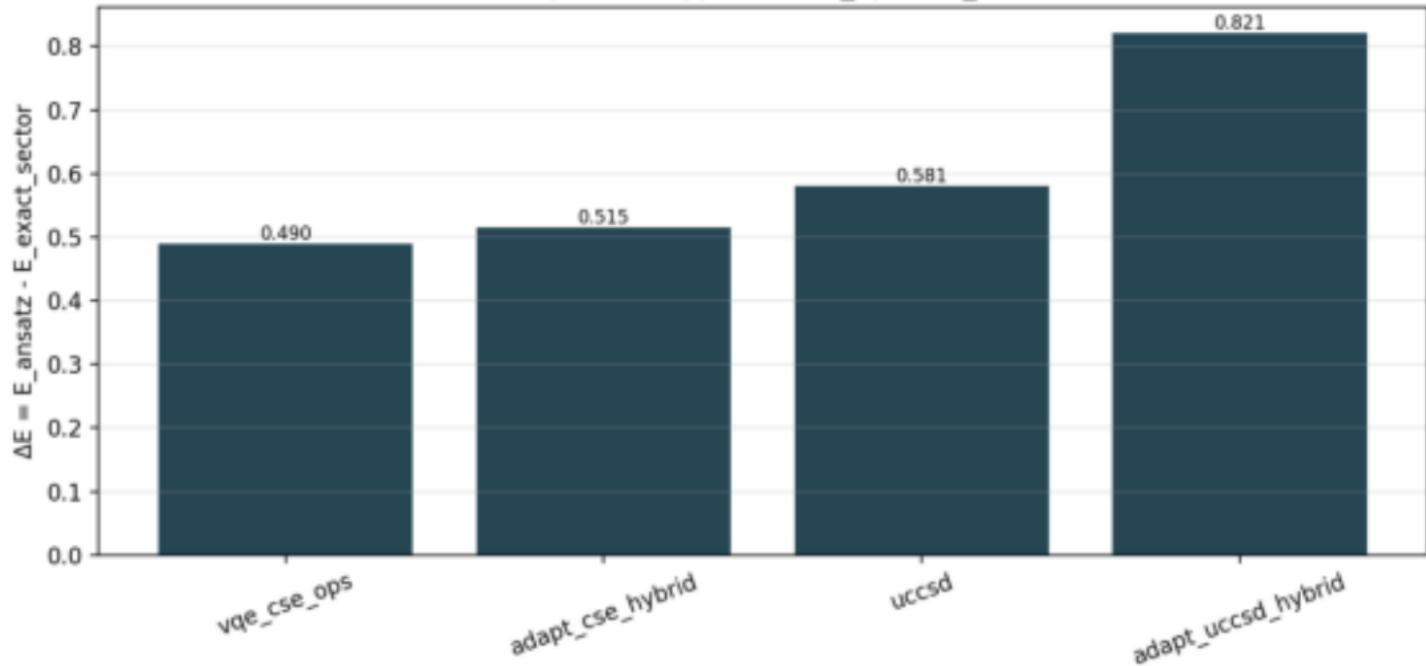
runs/compare_vqe/delta_e_hist_L5.png


Delta-E by ansatz type (L=5, n_up=1, n_down=1)
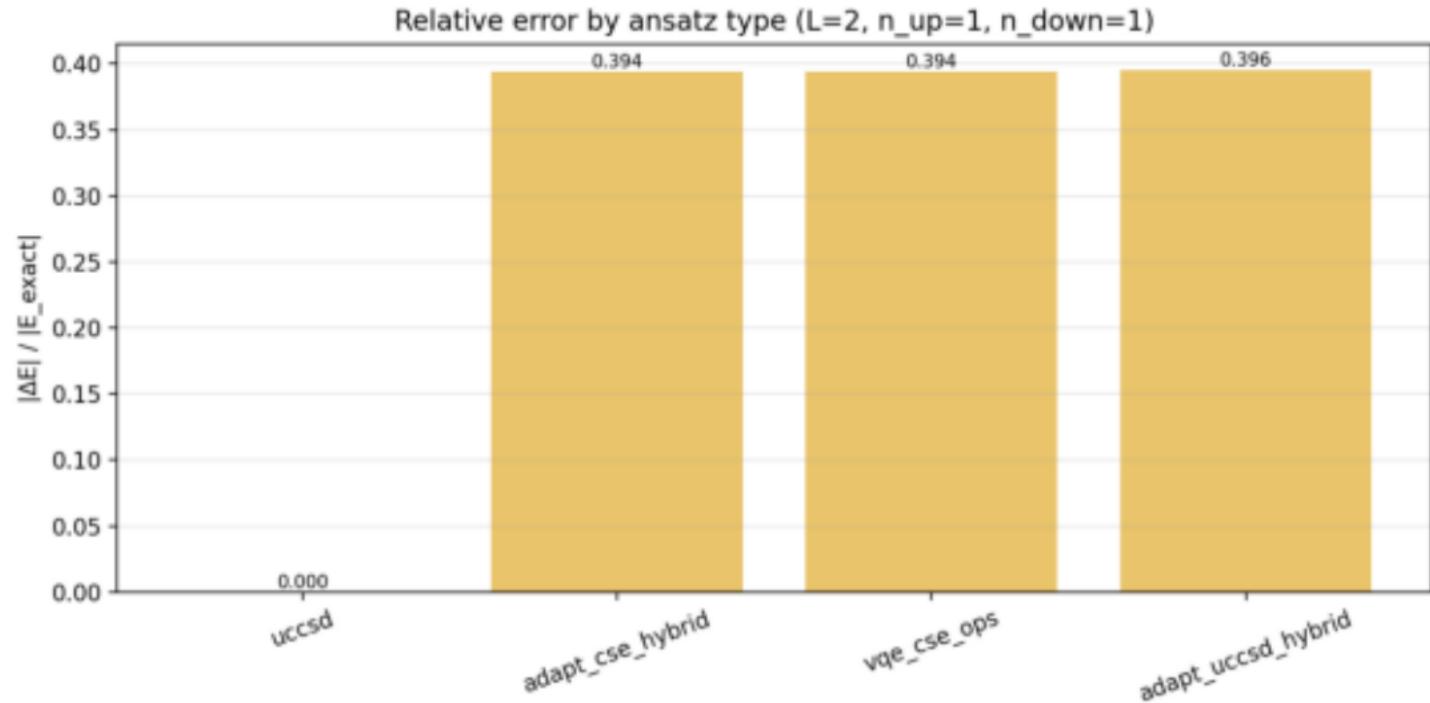
runs/compare_vqe/delta_e_hist_L6.png


Delta-E by ansatz type (L=6, n_up=1, n_down=1)

runs/compare_vqe/delta_e_rel_hist_L2.png
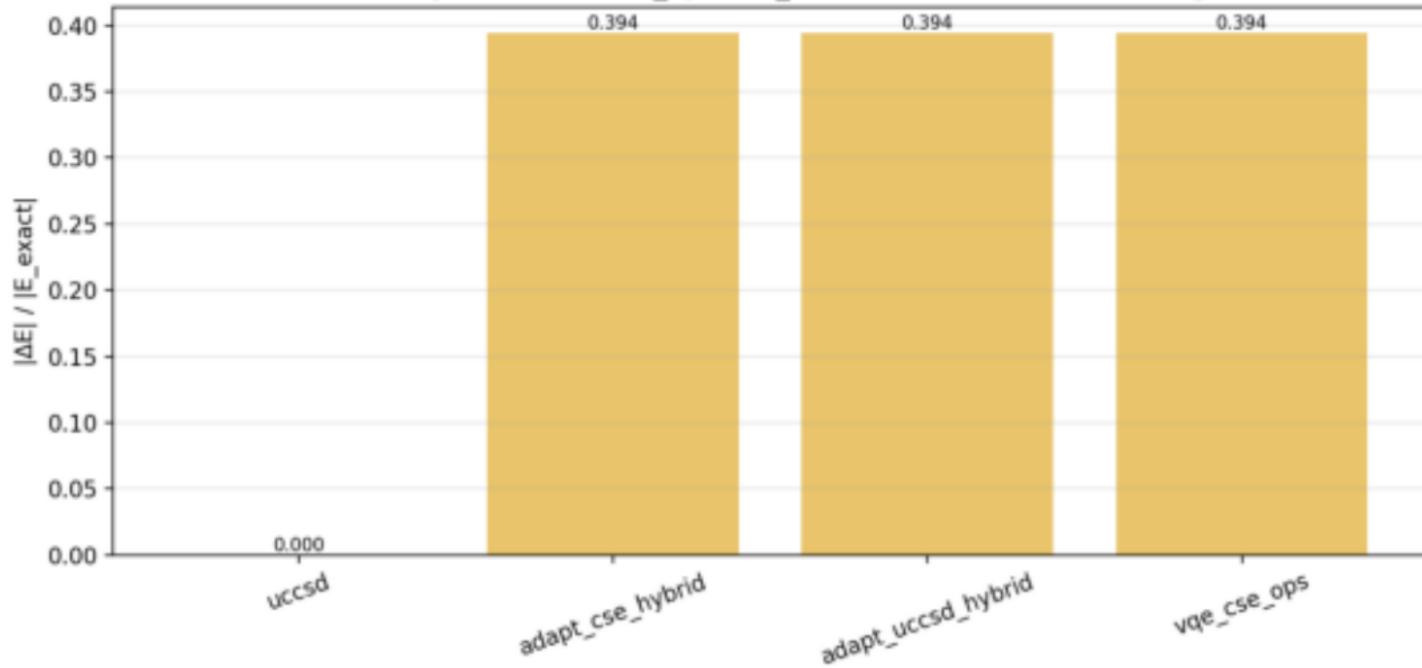
Relative error by ansatz type (L=2, n_up=1, n_down=1)
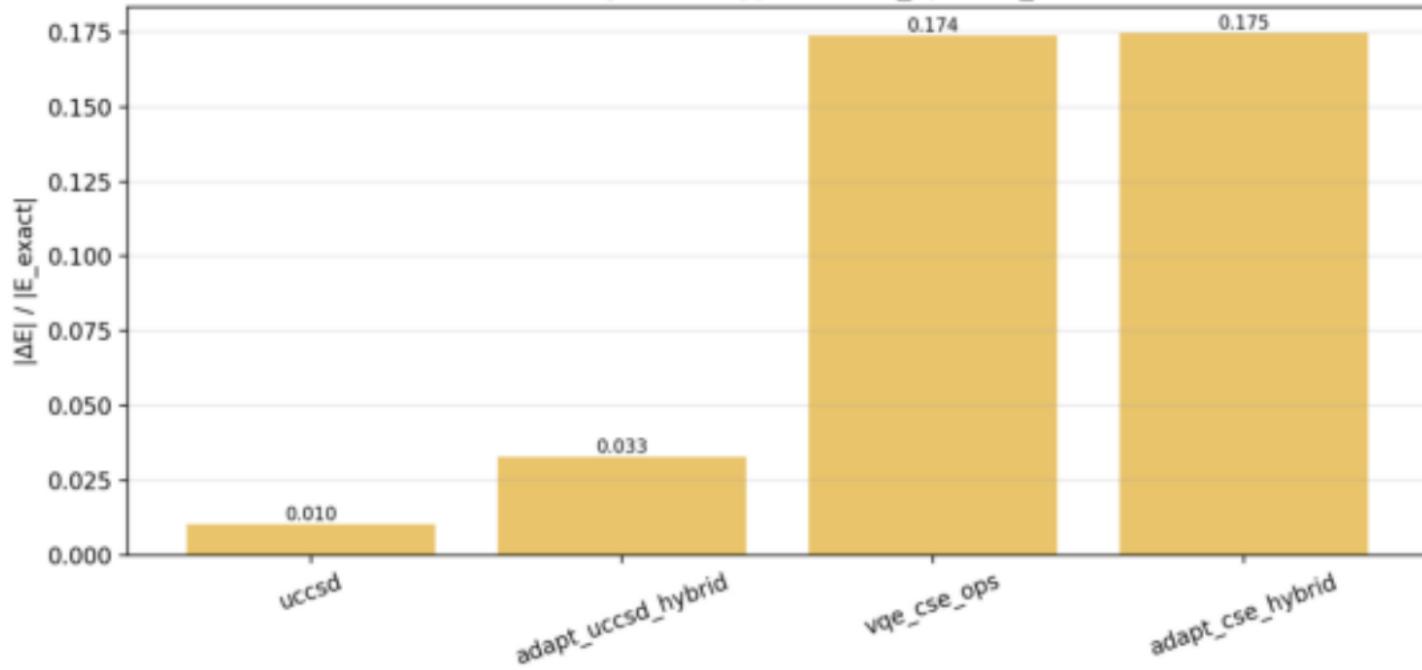
runs/compare_vqe/delta_e_rel_hist_L2_Nup1_Ndown1.png

Relative error by ansatz (L=2, n_up=1, n_down=1, N=2, Sz=+0.0, filling=1.000)
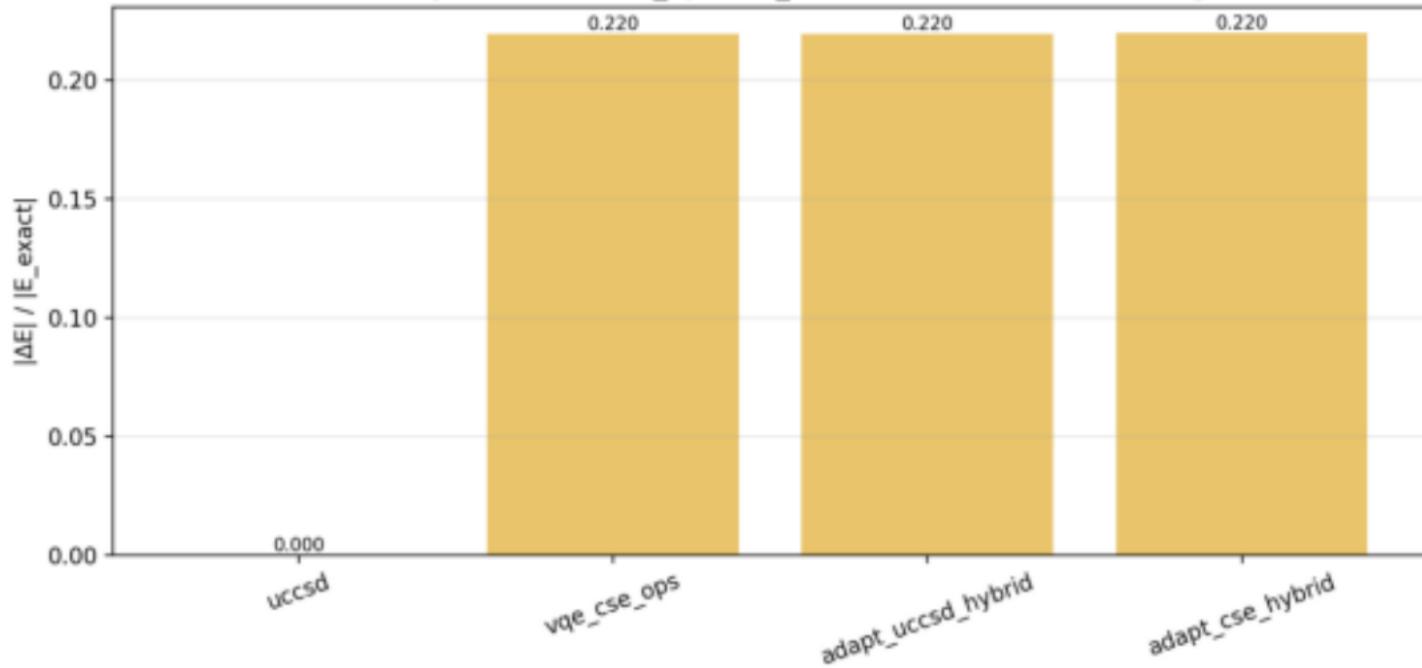
runs/compare_vqe/delta_e_rel_hist_L3.png

Relative error by ansatz type (L=3, n_up=1, n_down=1)
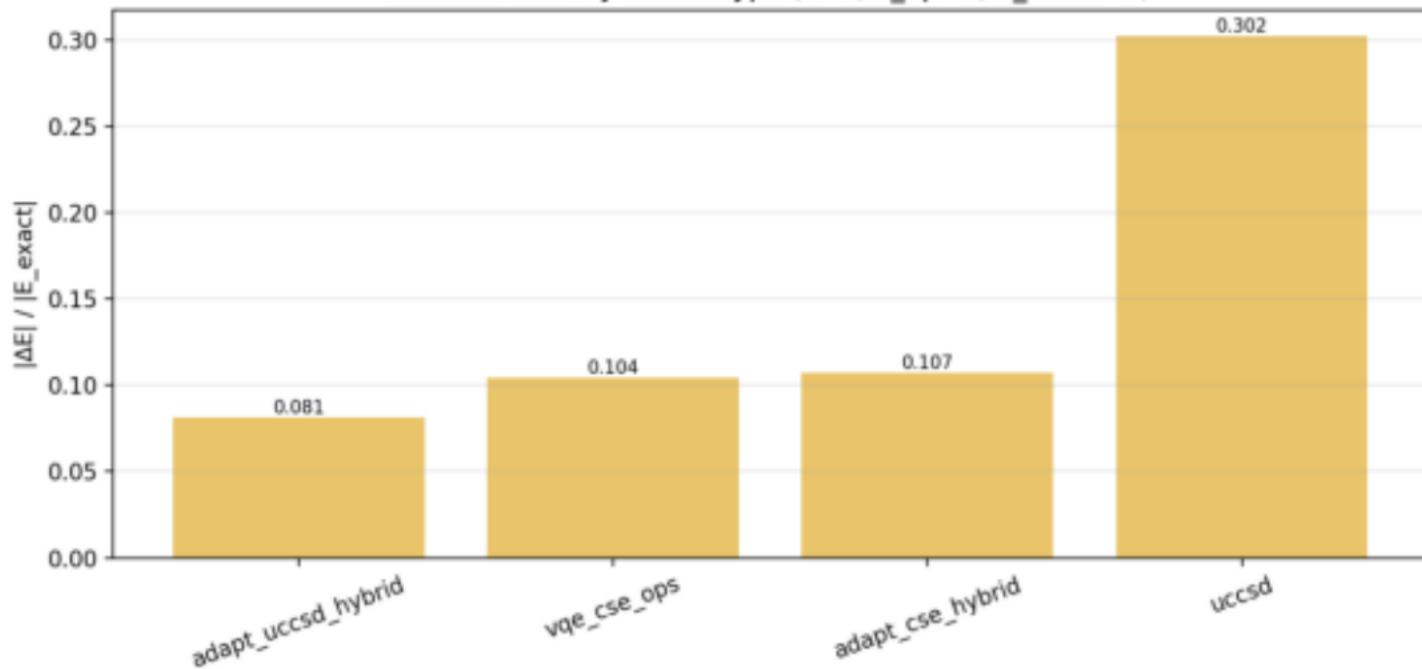
runs/compare_vqe/delta_e_rel_hist_L3_Nup2_Ndown1.png

Relative error by ansatz (L=3, n_up=2, n_down=1, N=3, Sz=+0.5, filling=1.000)
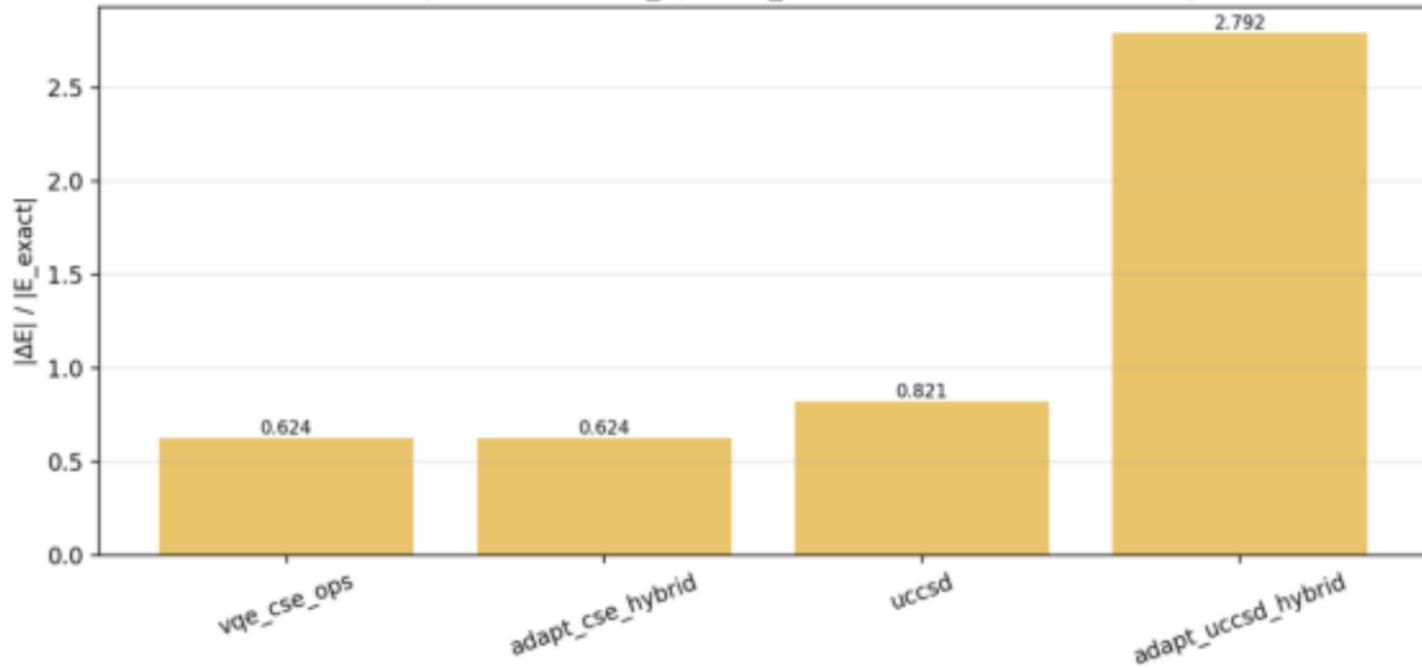
runs/compare_vqe/delta_e_rel_hist_L4.png

Relative error by ansatz type (L=4, n_up=1, n_down=1)
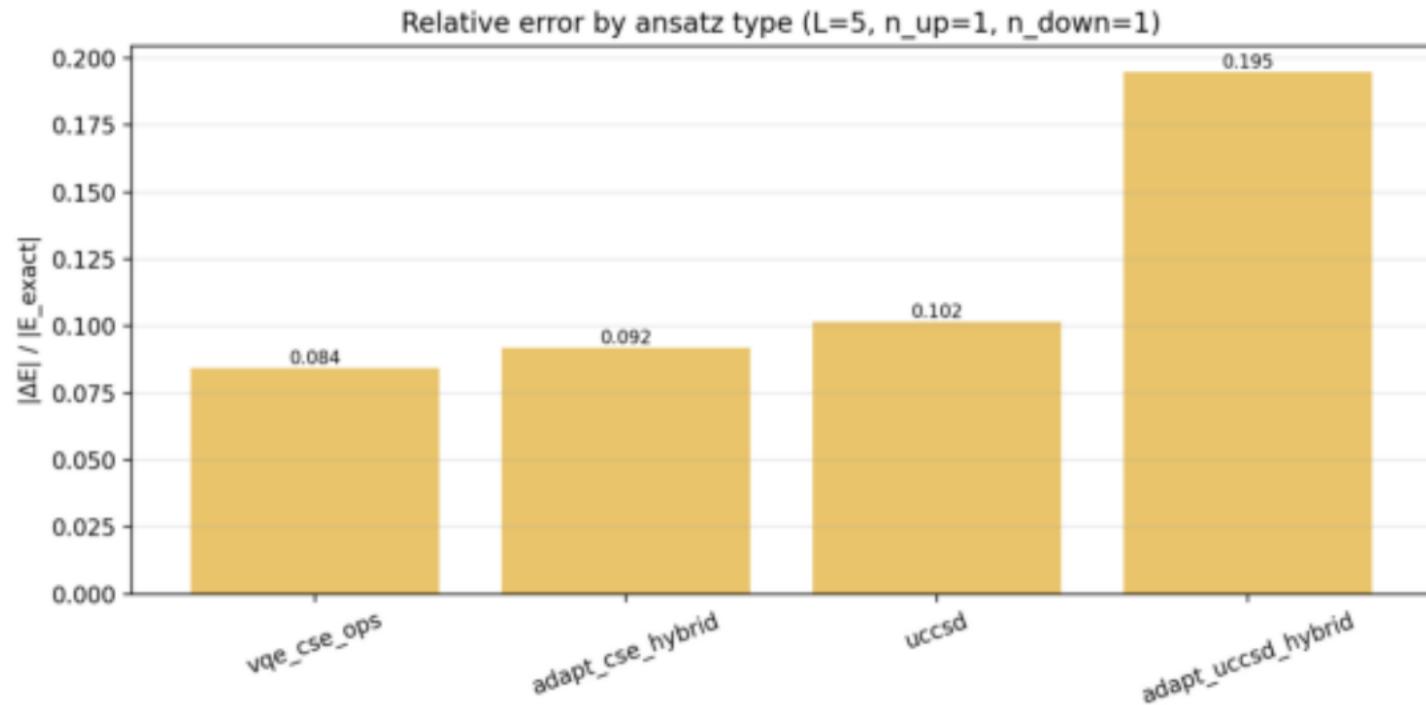
runs/compare_vqe/delta_e_rel_hist_L4_Nup2_Ndown2.png


Relative error by ansatz (L=4, n_up=2, n_down=2, N=4, Sz=+0.0, filling=1.000)

runs/compare_vqe/delta_e_rel_hist_L5.png

Relative error by ansatz type (L=5, n_up=1, n_down=1)

runs/compare_vqe/delta_e_rel_hist_L6.png

Relative error by ansatz type (L=6, n_up=1, n_down=1)