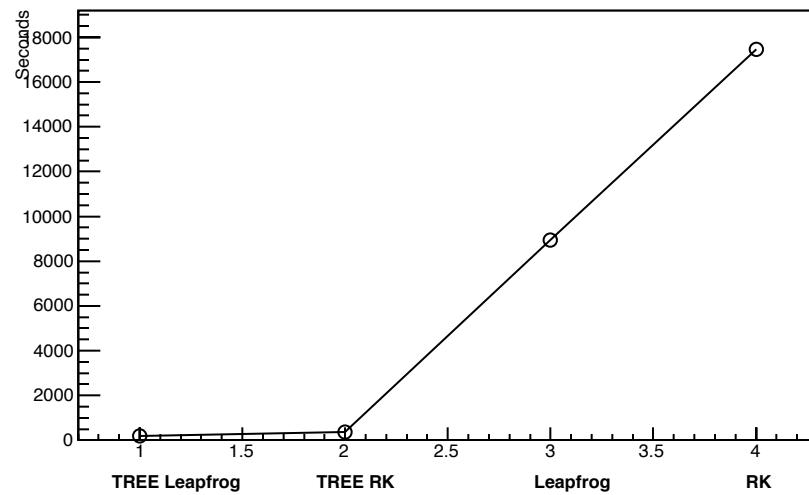
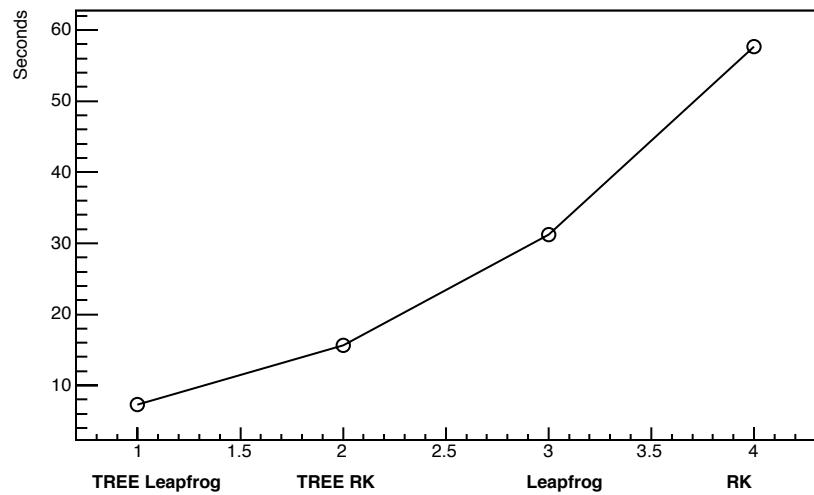
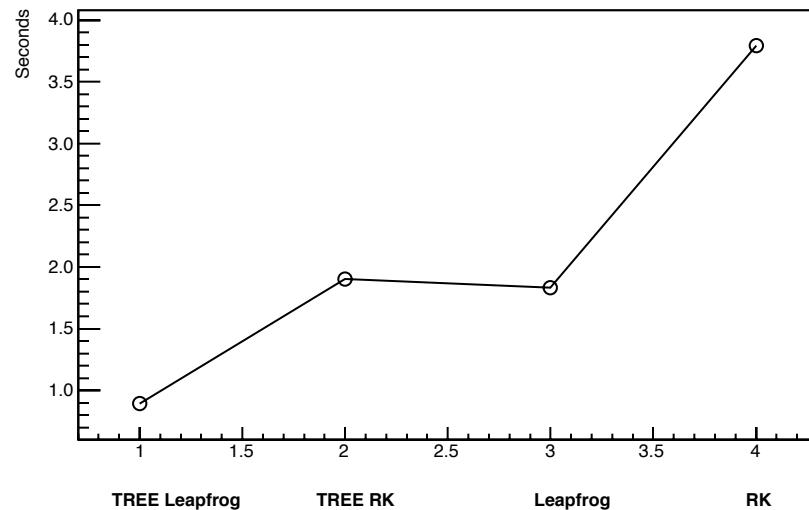
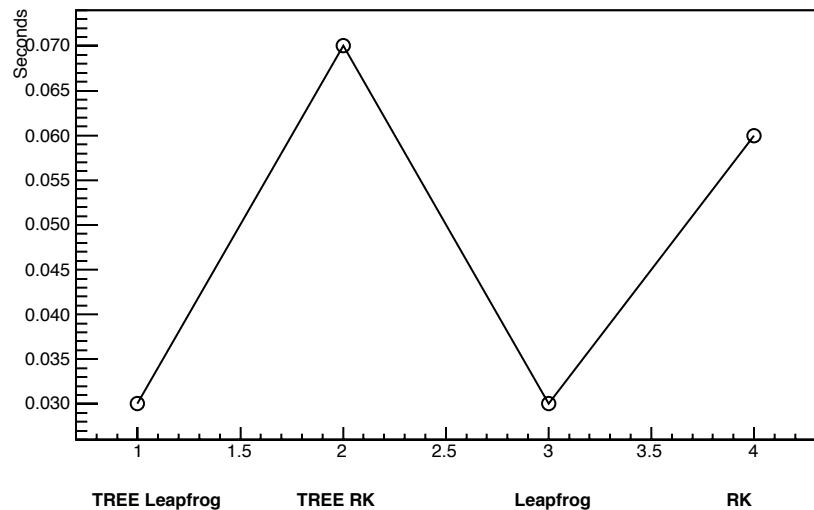
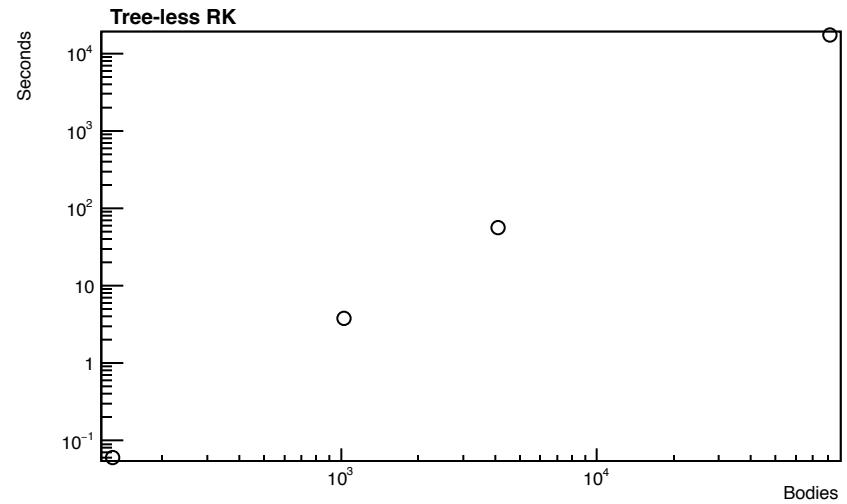
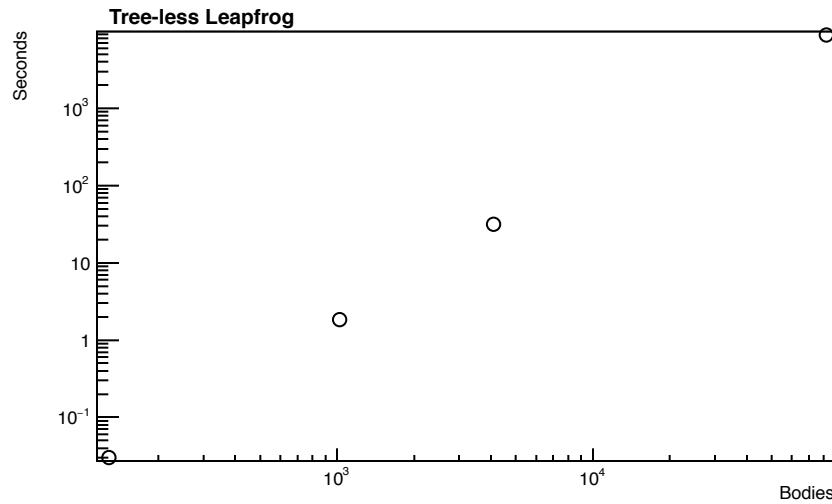
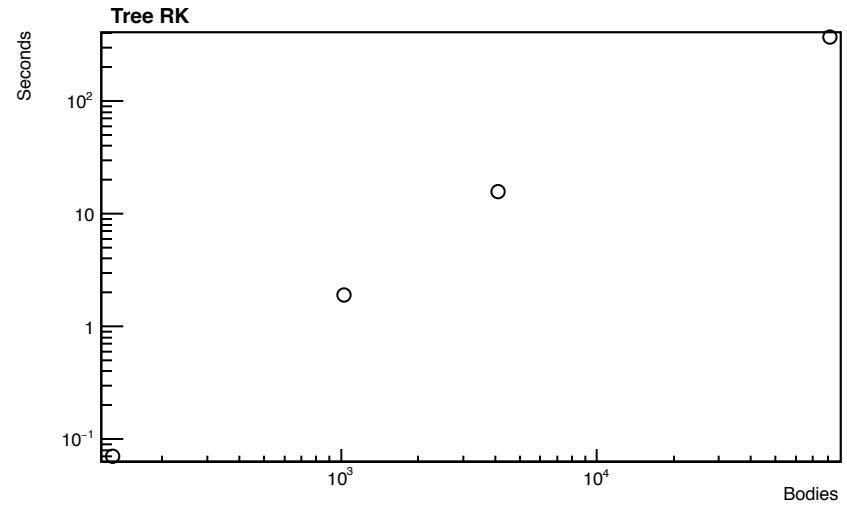
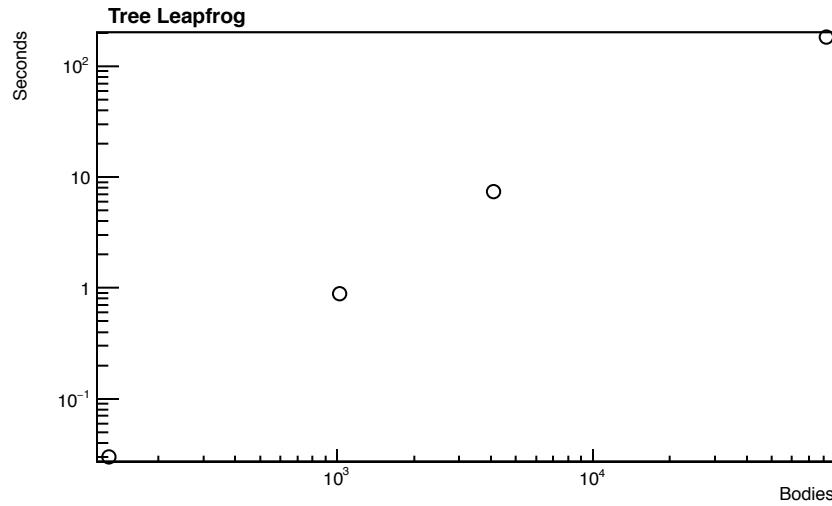


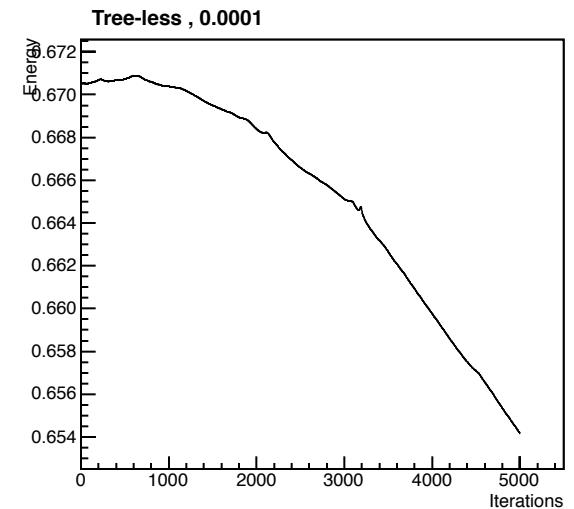
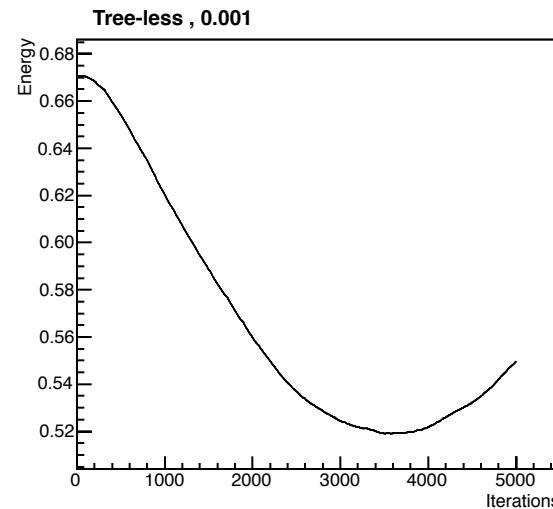
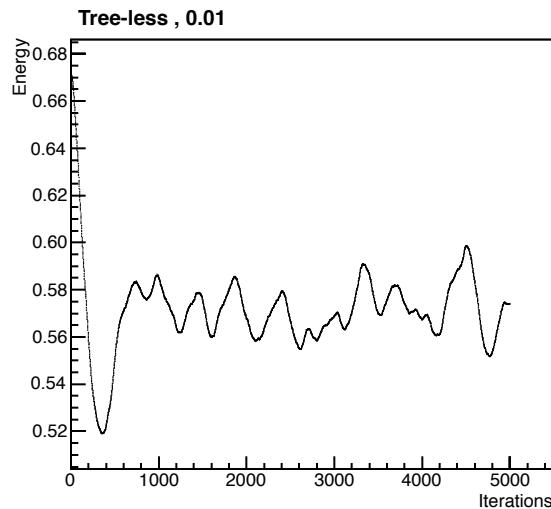
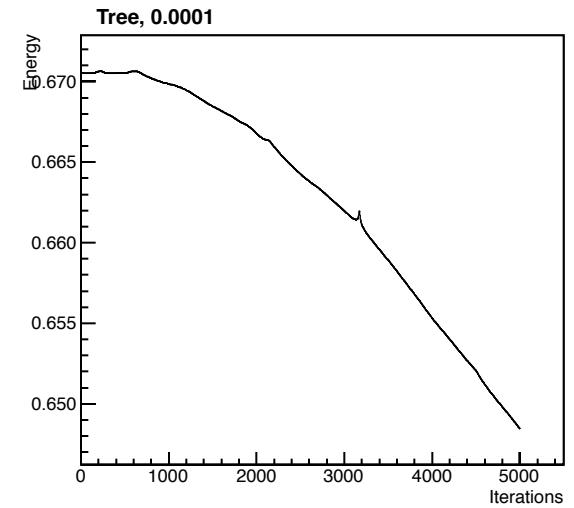
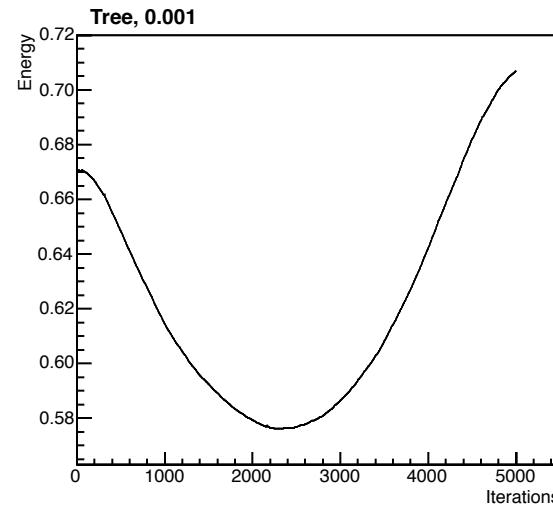
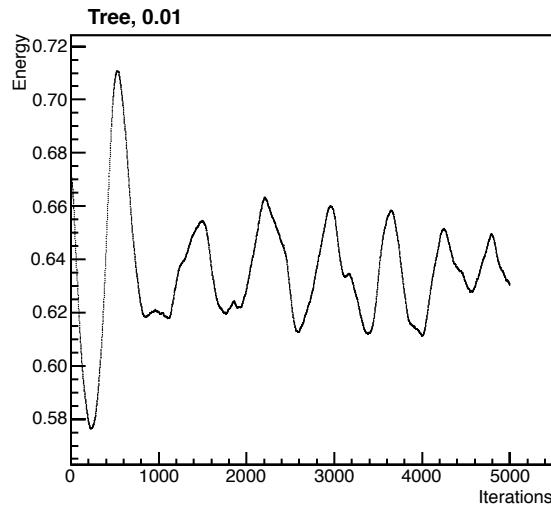
PERFORMANCE (single iteration): tree vs tree-less, leapfrog - RK, bodies: 128, 1024, 4096, 81680



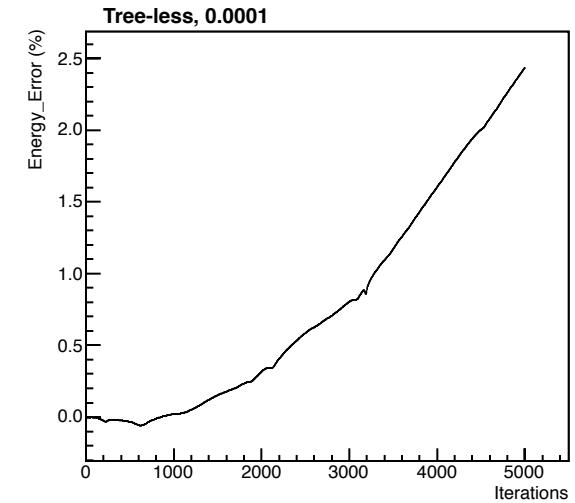
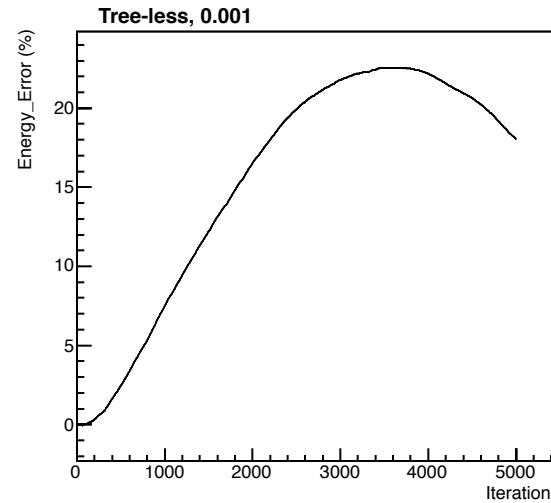
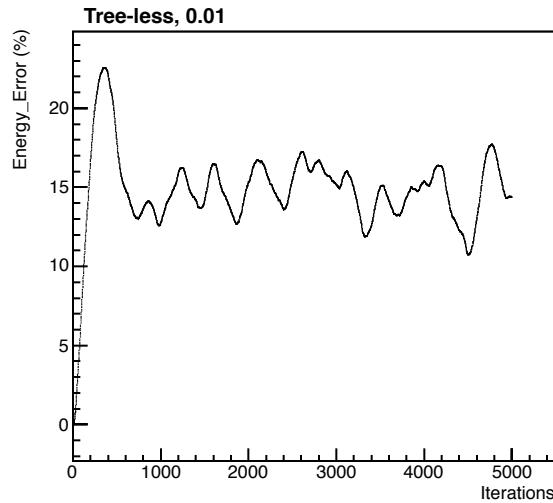
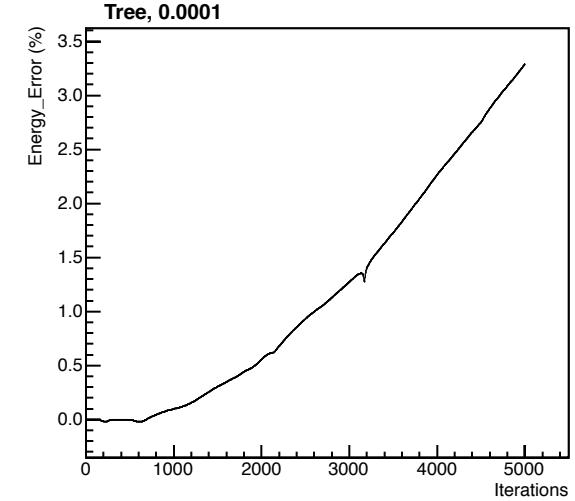
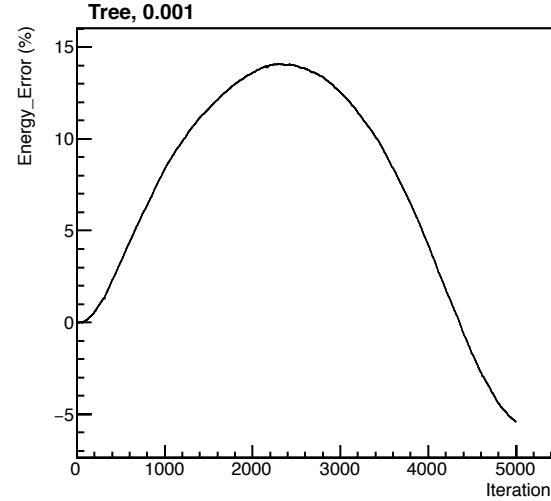
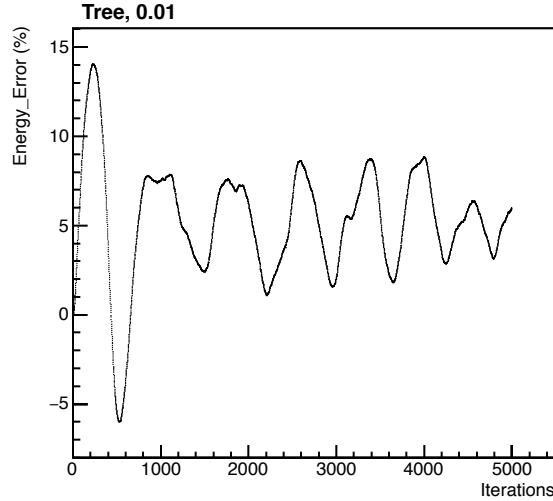
PERFORMANCE (single iteration): leapfrog (left) vs Runge-Kutta (right), tree (top), tree-less(bottom)



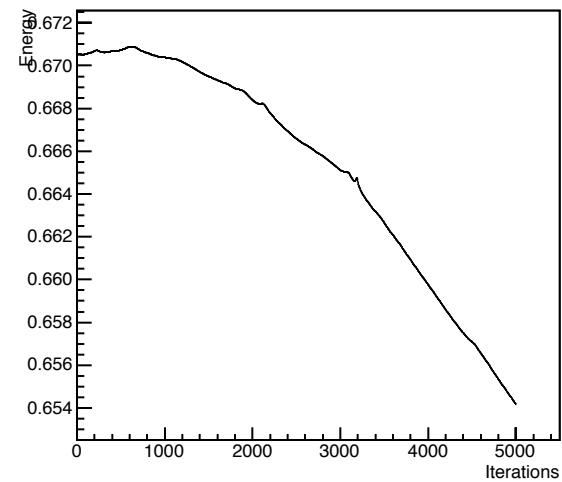
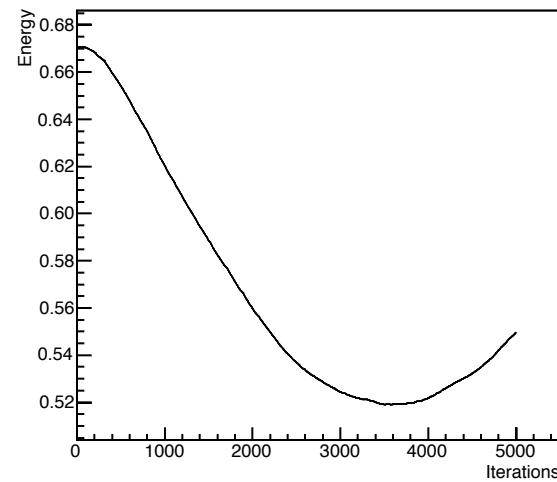
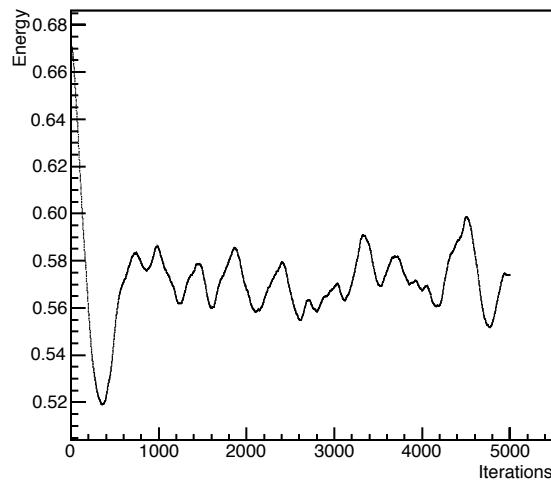
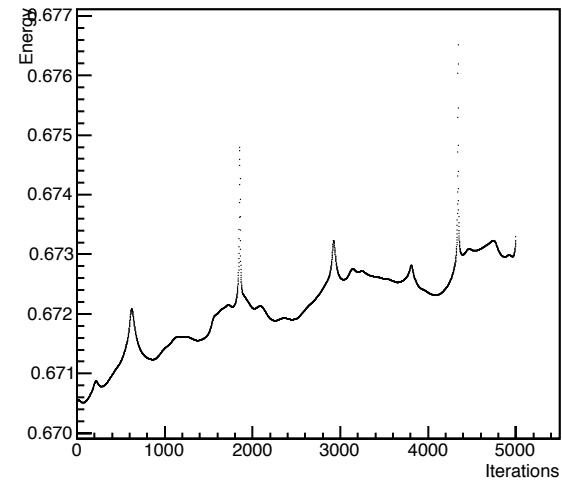
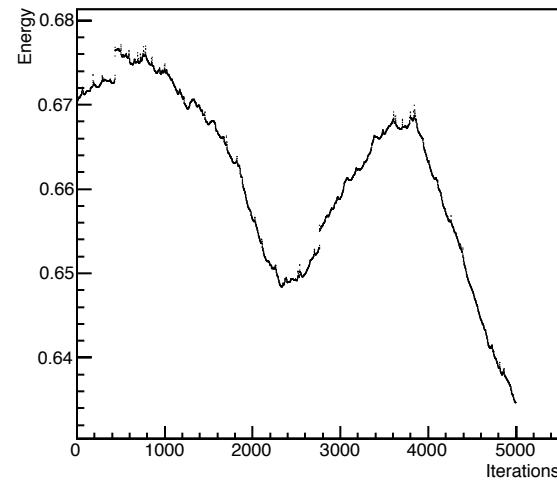
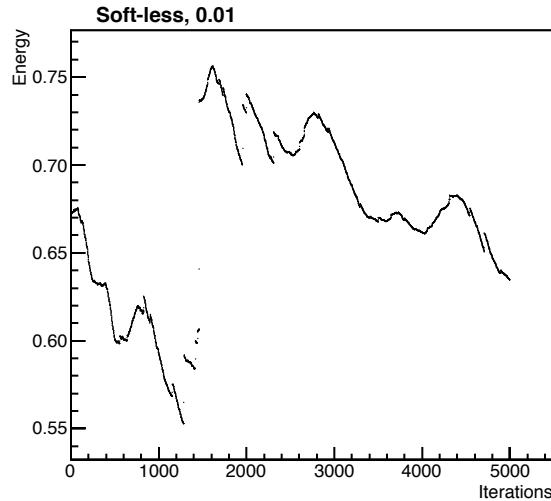
ENERGY TREND: Tree (top) vs Tree-less (bottom) (G=1, 1024 bodies, timestep: 0.01, 0.001, 0.0001)



ENERGY_ERROR TREND: Tree (top) vs Tree-less (bottom) (G=1, 1024 bodies, timestep: 0.01, 0.001, 0.0001)



ENERGY TREND: soft-less (top) vs soft (bottom) (G=1, 1024 bodies, treeless, timestep: 0.01, 0.001, 0.0001)



ENERGY TREND: leapfrog (top) vs Runge-Kutta (bottom) (G=1, 1024 bodies, treeless, timestep: 0.01, 0.001, 0.0001)

