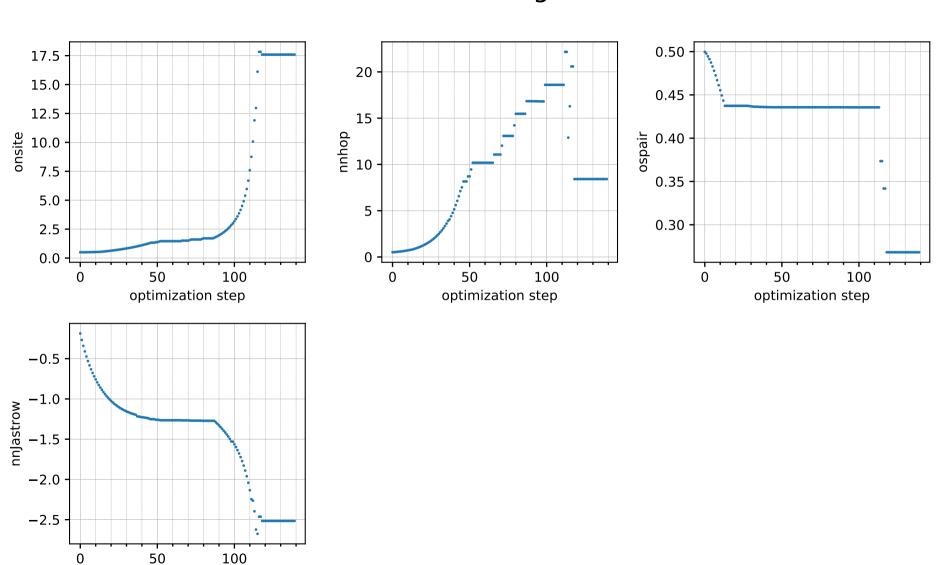N = 4, Heisenberg Model