$N_{\text{tot}} = 580K$, $\epsilon_{\rho} = 0.04$, $\mu = 40.0$, $\sigma_{\mu} = 1.0$, $\beta = 0.01$, $\sigma_{\beta} = 0.0$, algo = 2, $N_{\text{init}} = 100$ $\lambda_{E} = 1.0$, $\lambda_{I} = 1.0$, rand.inf. = True, $N_{\text{retries}}^{\text{connect}} = 0$, v. = 1.0

