$N_{\text{tot}} = 580K$, $\rho = 0.0$, $\epsilon_\rho = 0.04$, $\mu = 40.0$, $\sigma_\mu = 0.0$, $\beta = 0.01$, $\sigma_\beta = 0.0$, algo $= 2$, $N_{\text{init}} = 100$
$\lambda_I = 1.0$, rand. inf. $= True$, v. $= 1.0$