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