$N_{\rm tot} = 580K, \ N_{\rm init} = 100, \ N_{\rm ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \sigma_{\beta} = 0.0, \ \rho = 0.0, \ \lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ {\rm age_{mixing}} = 1.0, \ {\rm connect_{algo}} = 20.00, \ \rho = 0.00, \ \lambda_E =$ 

