$$N_{\rm tot} = 580K, \ N_{\rm init} = 100, \ N_{\rm ages} = 1, \ \mu = 40.0, \ \sigma_{\mu} = 0.0, \ \beta = 0.01, \ \rho = 100.0$$
  
 $\lambda_E = 1.0, \ \lambda_I = 1.0, \ \epsilon_{\rho} = 0.01, \ \beta_{\rm scaling} = 1.0, \ {\rm age_{mixing}} = 1.0, \ {\rm algo} = 1$ 

