

$$\hat{H}_{\mathrm{i}} \Psi(p, \kappa) = \int [\mathrm{D} \kappa'] f(p, \kappa, \kappa') \left[\Psi(p, \kappa') - \Psi(p, \kappa) \right],$$

$$\hat{H}_{\mathrm{m}} \Psi(p, \kappa) = J(p, \kappa) \Psi(p, \kappa)$$