- transport theory:

transport equations:

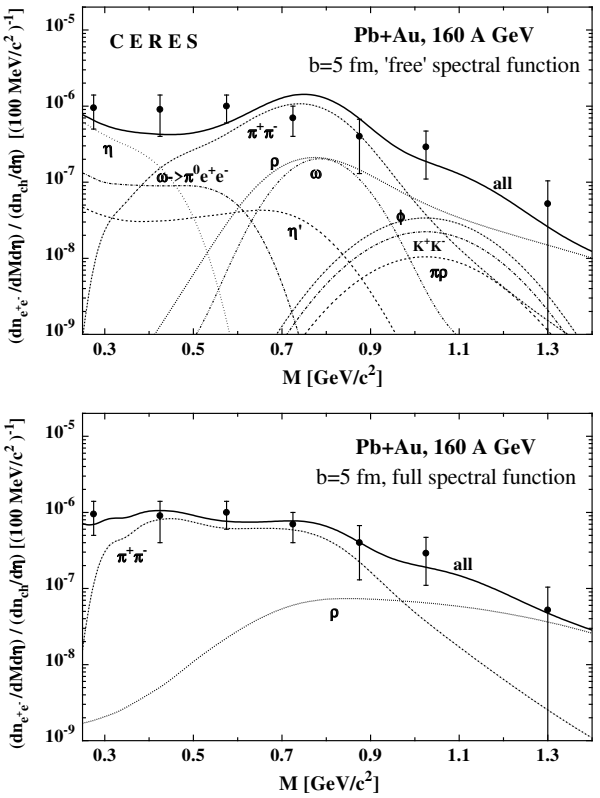
$$\frac{\partial f_i}{\partial t} + \frac{\partial \epsilon^i_{\vec{p}}}{\partial \vec{p}} \frac{\partial f_i}{\partial \vec{r}} + \frac{\partial \epsilon^i_{\vec{p}}}{\partial \vec{r}} \frac{\partial f_i}{\partial \vec{p}} = I[f_i]$$

phase space function: $f_i(x,p)$

collision integral: $I[f_i]$

rates from elementary collision processes

$\pi\pi, \pi\rho, N\rho, \cdots$



E. Bratkowskaya et al. PRC (1998)