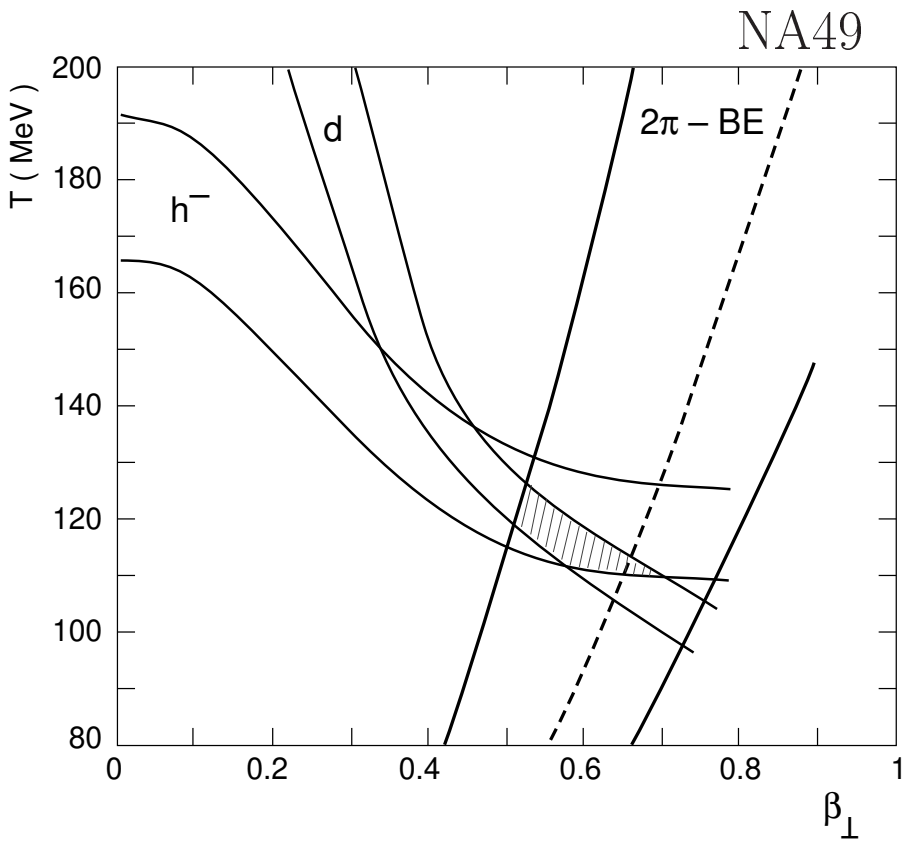
disentangling kinetic freezeout temperature T_{fo} and radial flow $\beta_\perp$

shape of transverse mass spectrum and $K_\perp$ dependence of transverse radius parameter $R_\perp$ provide nearly orthogonal constraints



consistent parameters:

kinetic freezeout temperature $T_{fo} \sim 120$ MeV

radial flow velocity $\beta_\perp = 0.55$ at R_G