

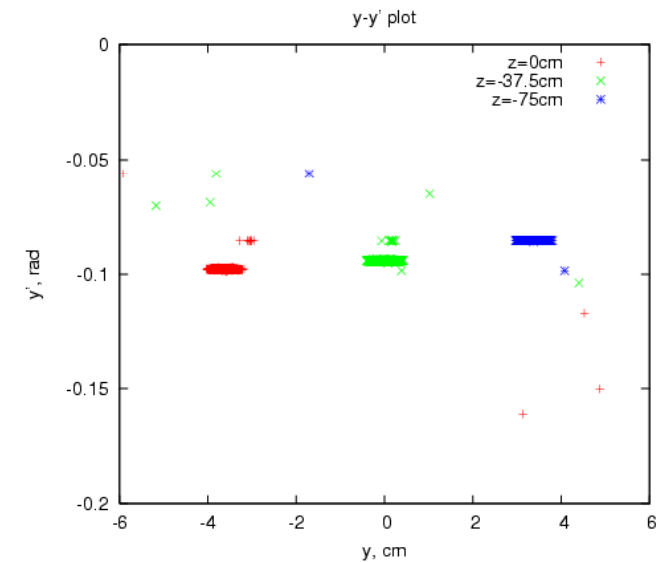
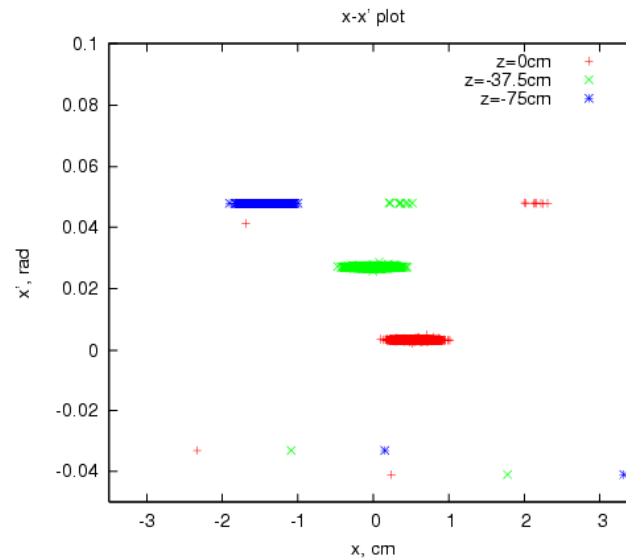
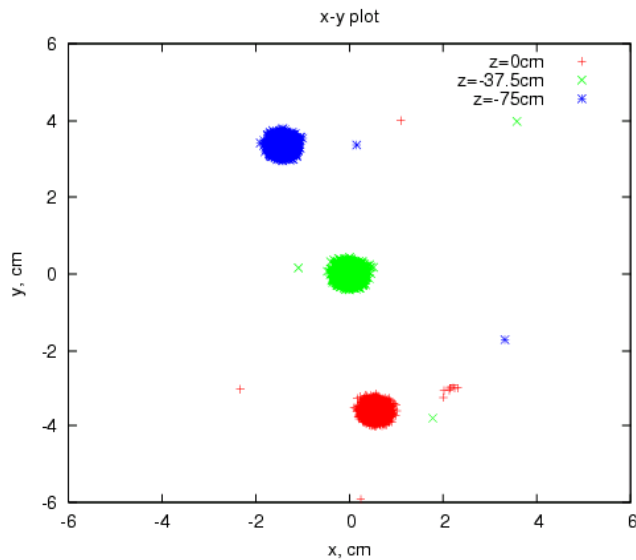
# Comparison of Real Beam with Simple Gaussian Beam

X. Ding, D. Cline      UCLA

H. Kirk, J. S. Berg,      BNL

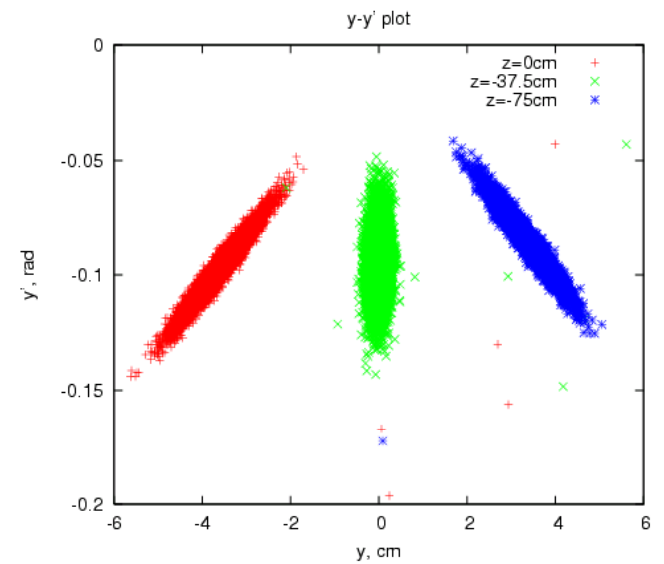
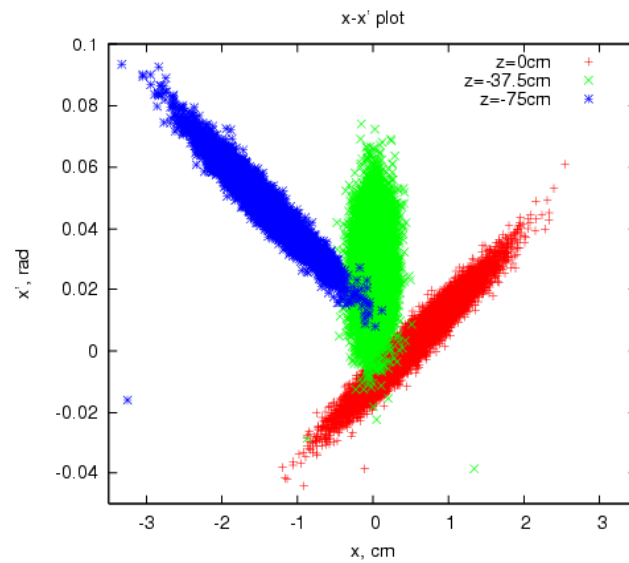
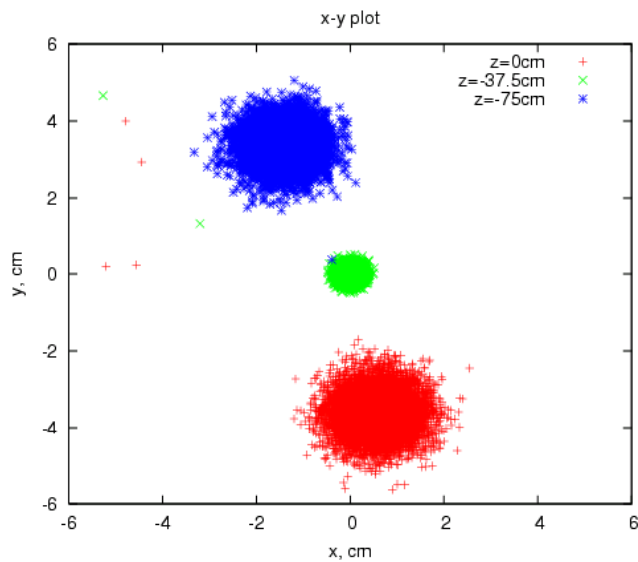
Phone Meeting, Sep. 22, 2009

# Simple Gaussian Beam with Parameters Specified by INIT Card and BEAM Card



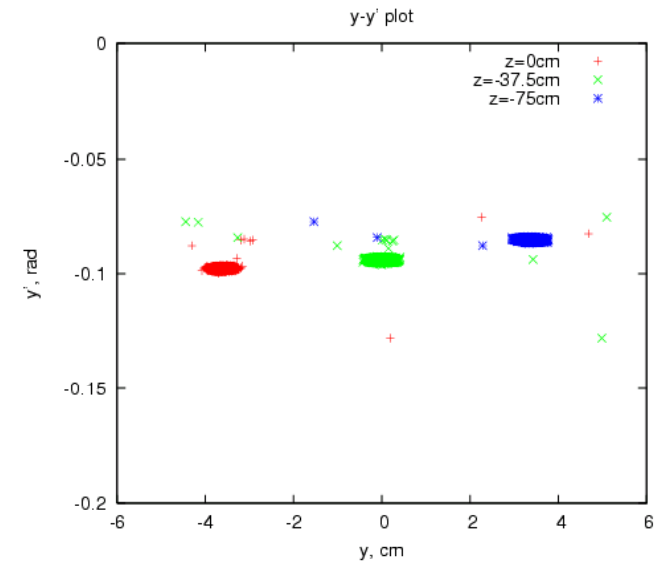
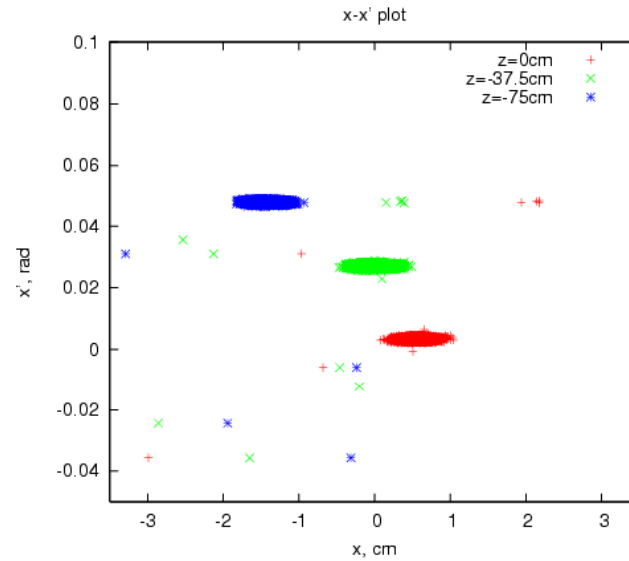
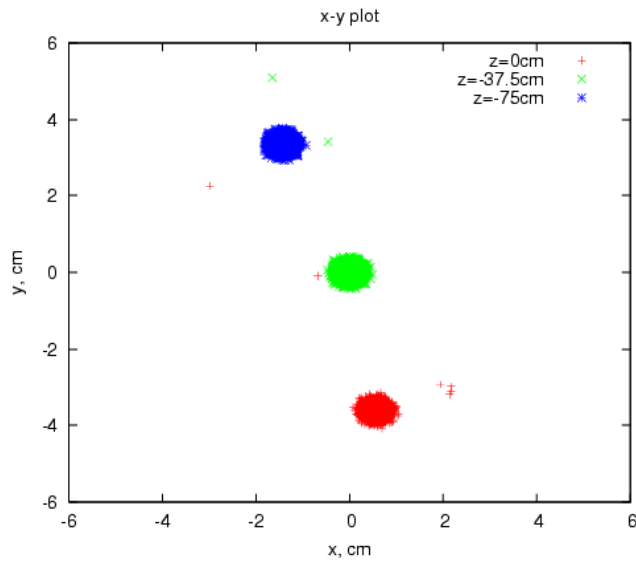
# Real Beam

( $\alpha_x = \alpha_y = 0, \beta_x = \beta_y = 10\text{cm}$  at  $z = -37.5\text{cm}$ )



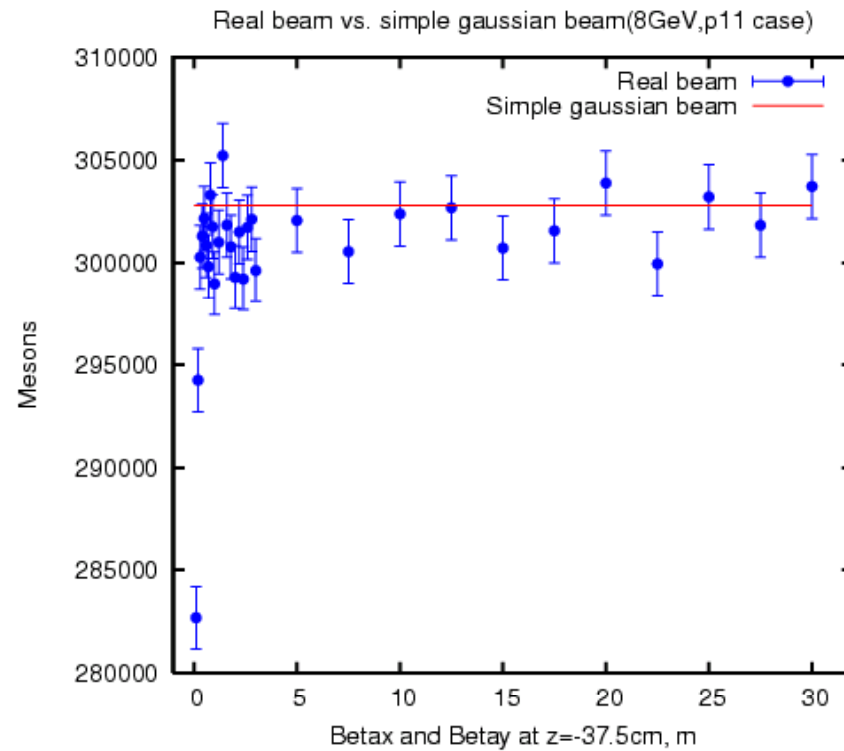
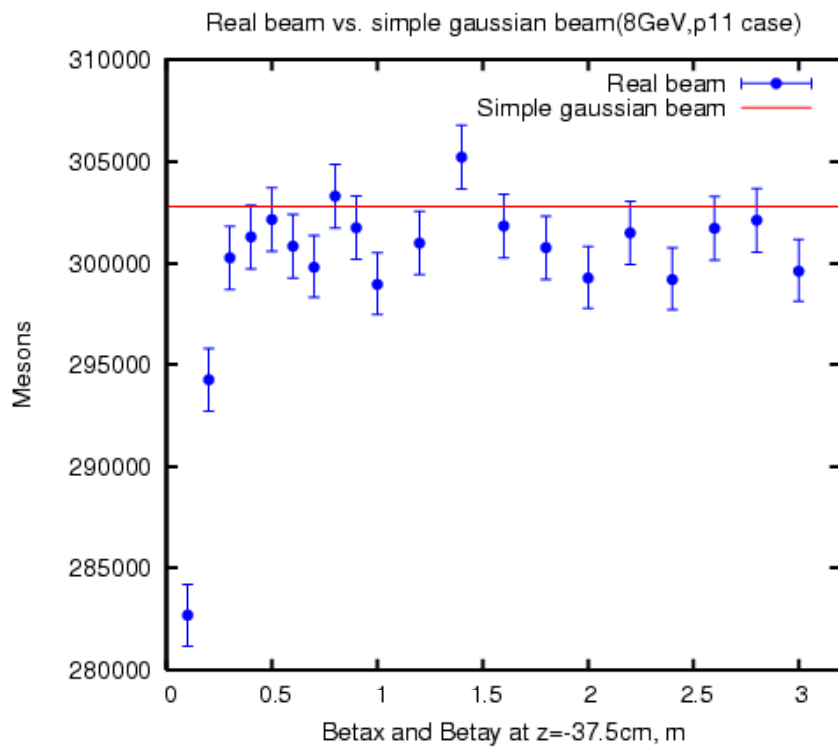
# Real Beam

$(\alpha_x = \alpha_y = 0, \beta_x = \beta_y = 300 \text{ cm at } z = -37.5 \text{ cm})$



# Meson Production Comparison

(same spot size with  $\sigma_x = \sigma_y = 0.12\text{cm}$  at  $z=-37.5\text{cm}$ )



# Fitting

(simple Gaussian beam: mesons of 302814 )

