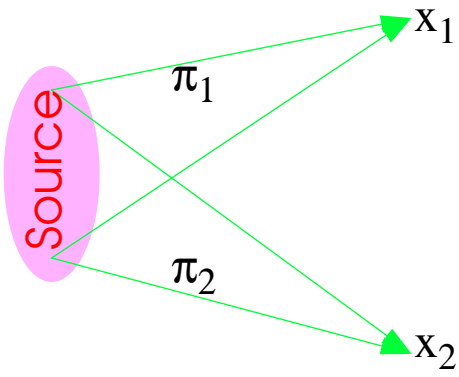
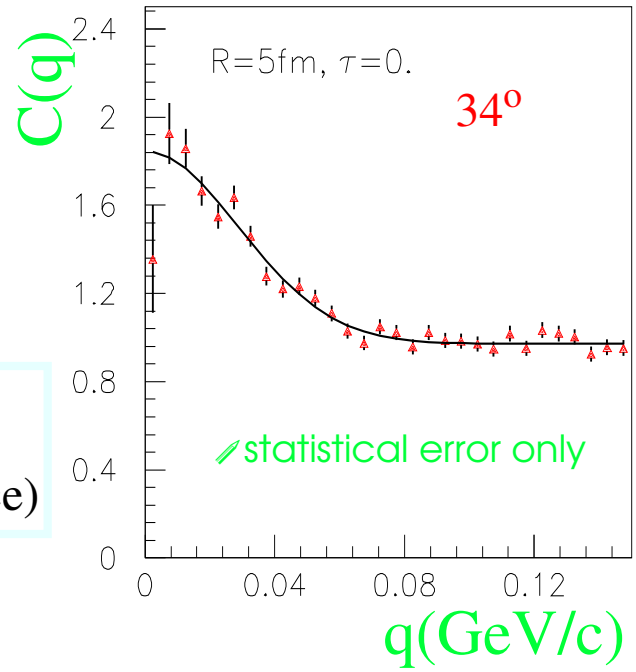
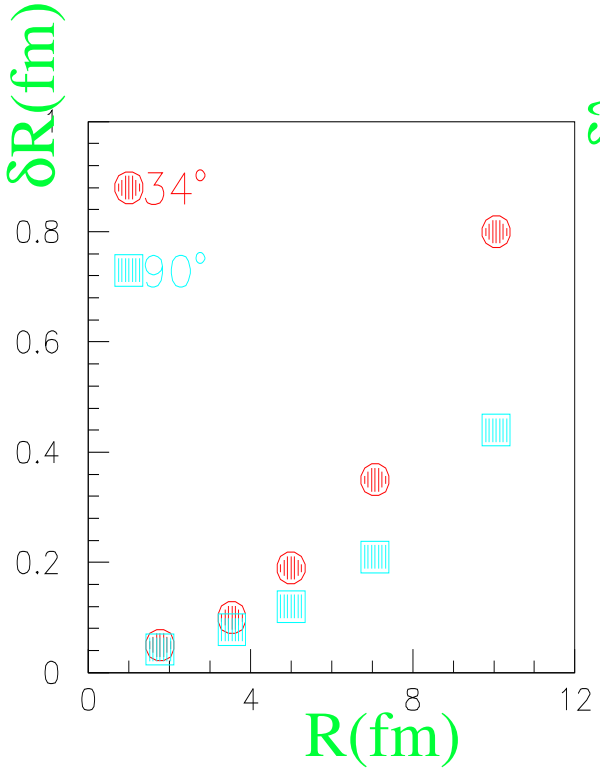
Bose-Einstein Correlations

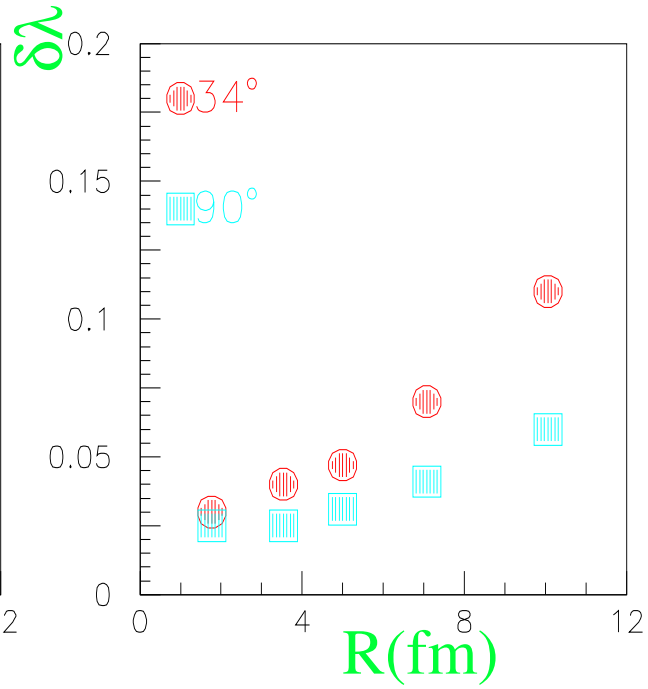
❒ At the Mid-Rapidity Spectrometer



Measurement of the Dimensions (s,t) of the Interaction region (Source)







☞ $\pi^+\pi^+$ correlations from a Gaussian* source with a radius of 5 fm.

* $C(q) = 1 + \lambda \exp(-q^2R^2 - q_0^2\tau^2)$

where λ = Chaoticity Parameter (Incoherence Parameter)