Update on σ_D Distribution Run II: Data vs MC

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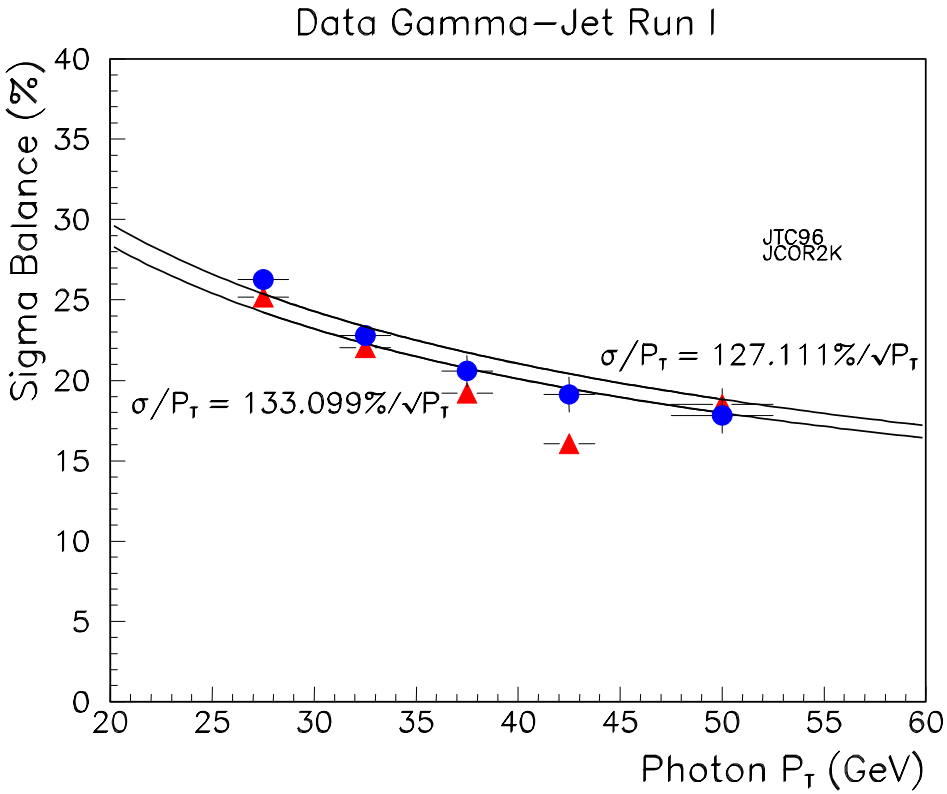
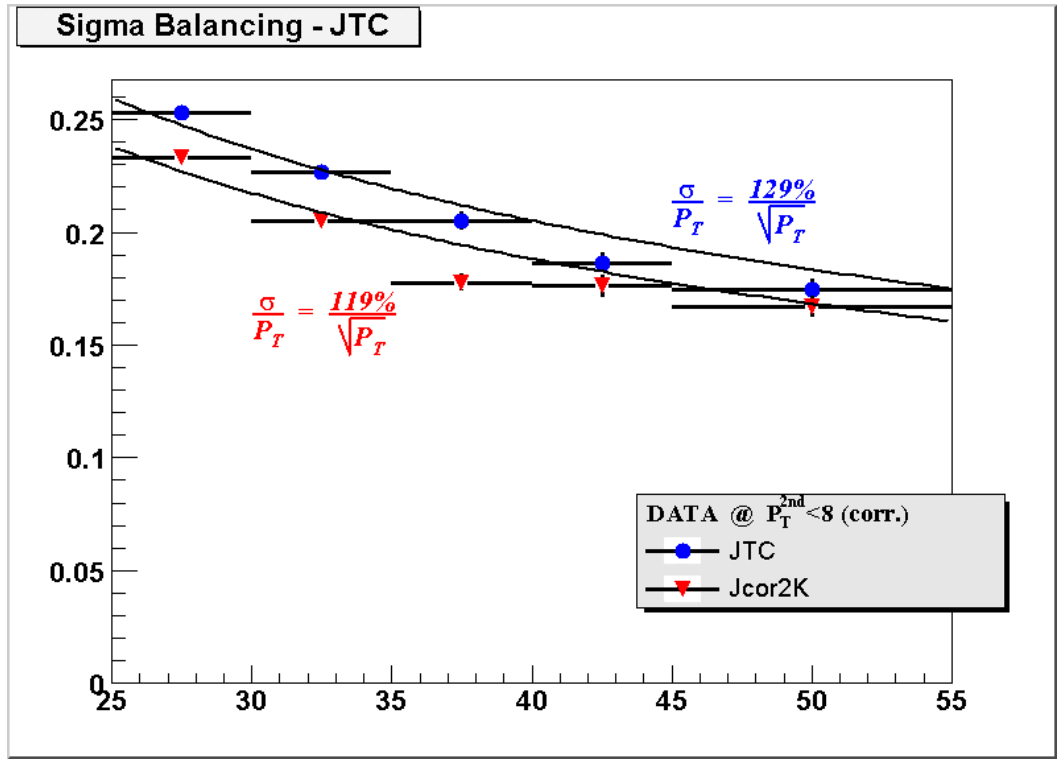
σ_B /Pt: Run I vs Run II

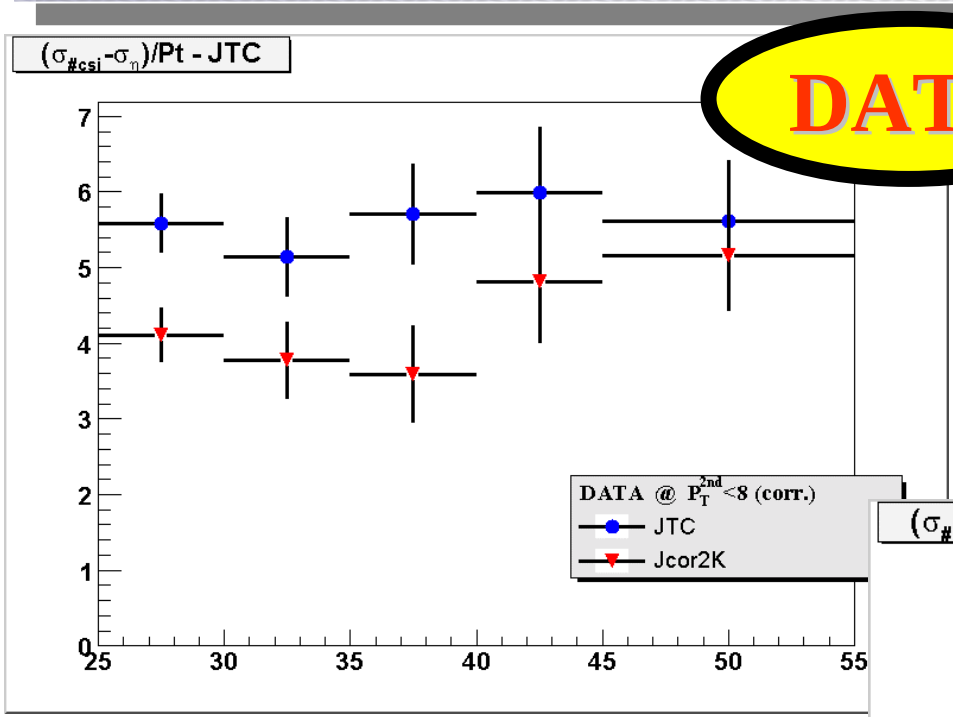




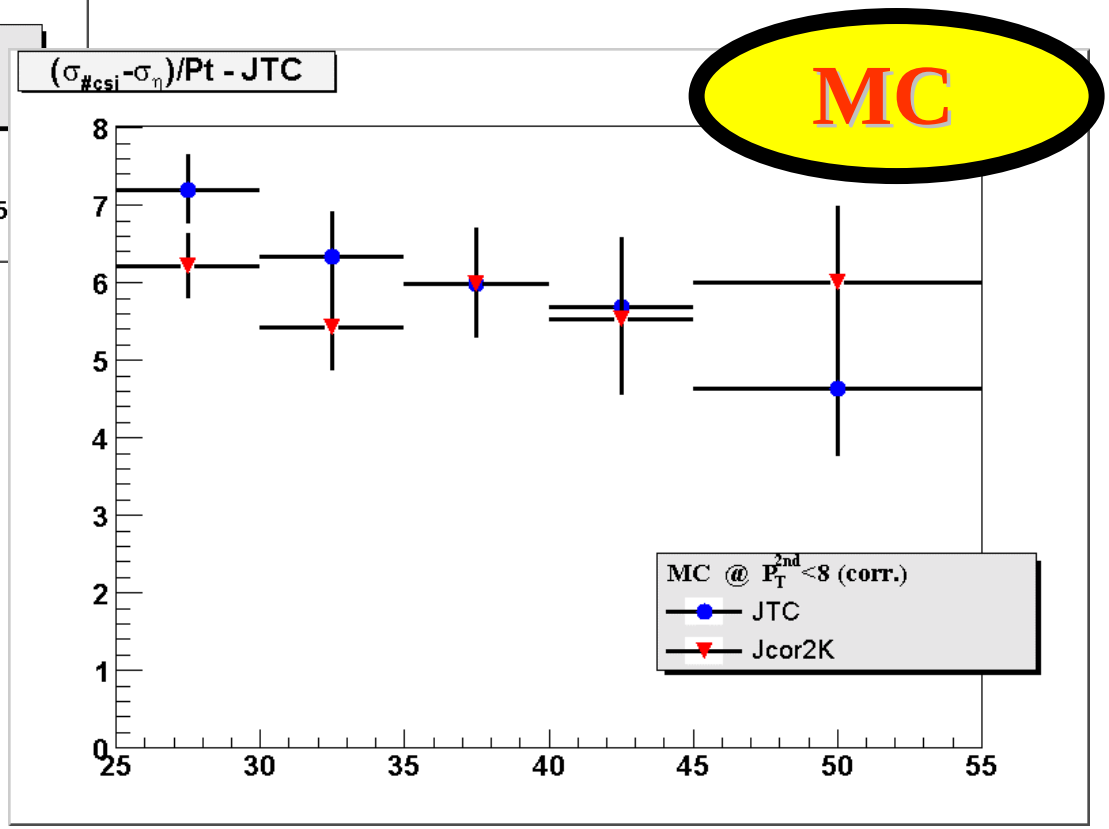
They look similar….

….but even σ_ξ seemed OK !!

Δ Distribution



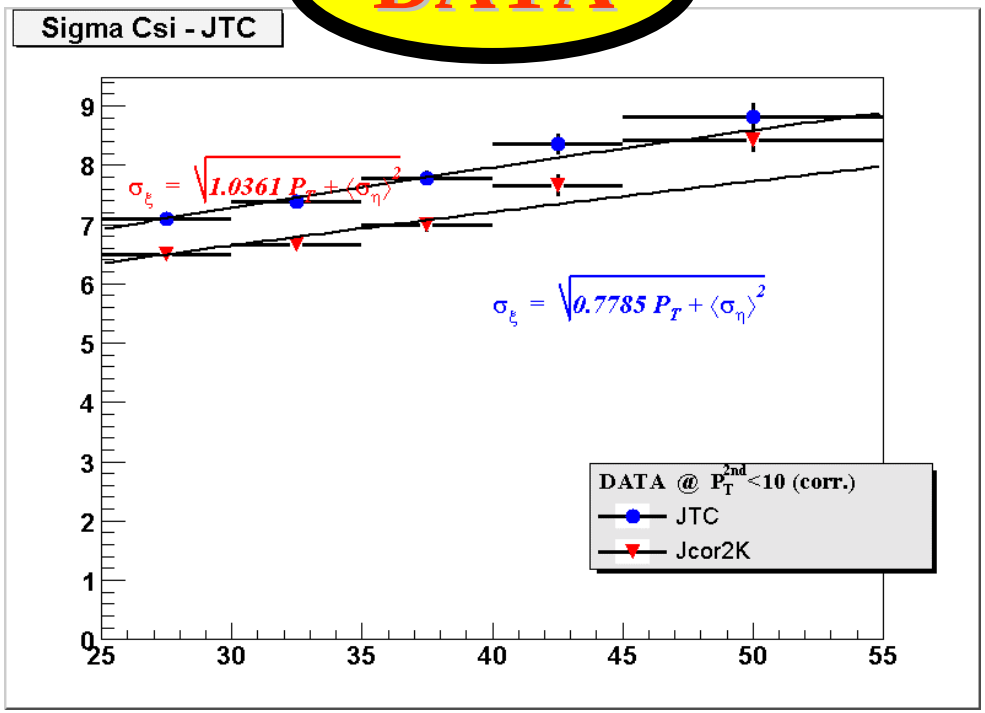
DATA



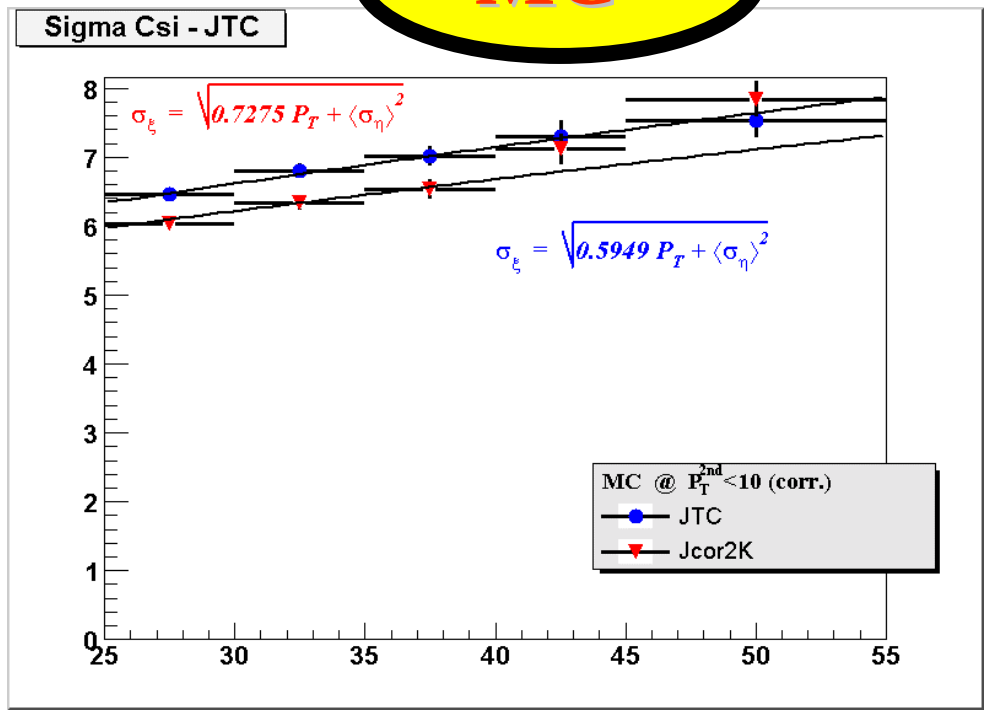
MC

Fit the σ_ξ Distribution

DATA

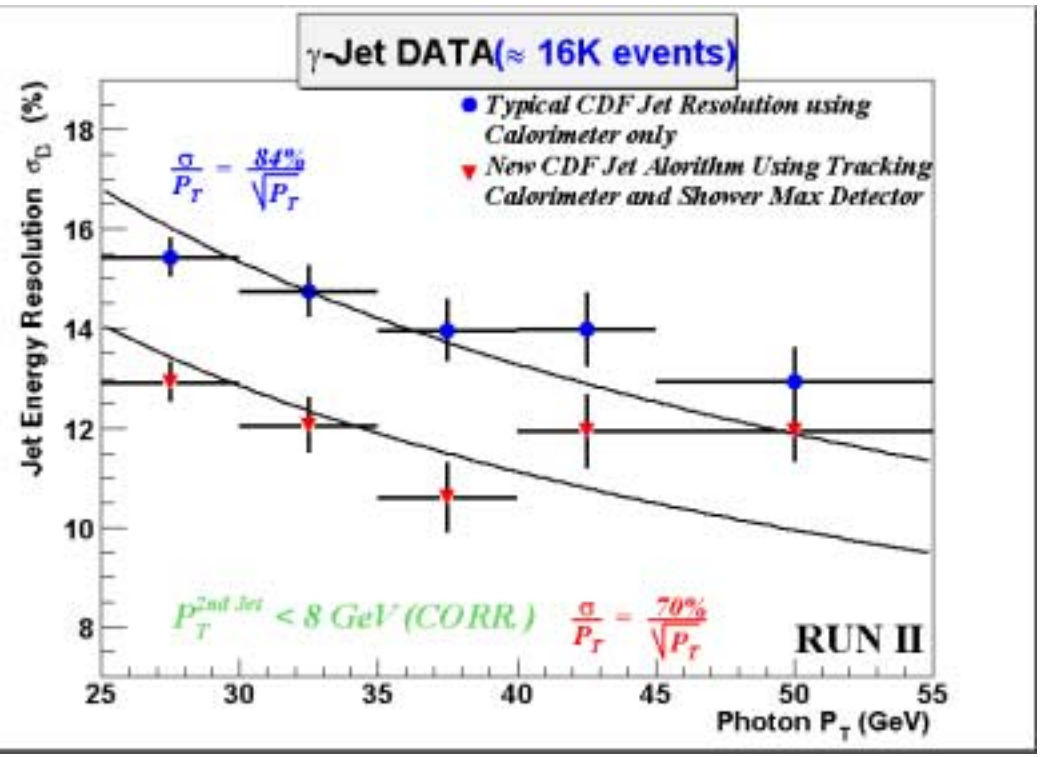


MC

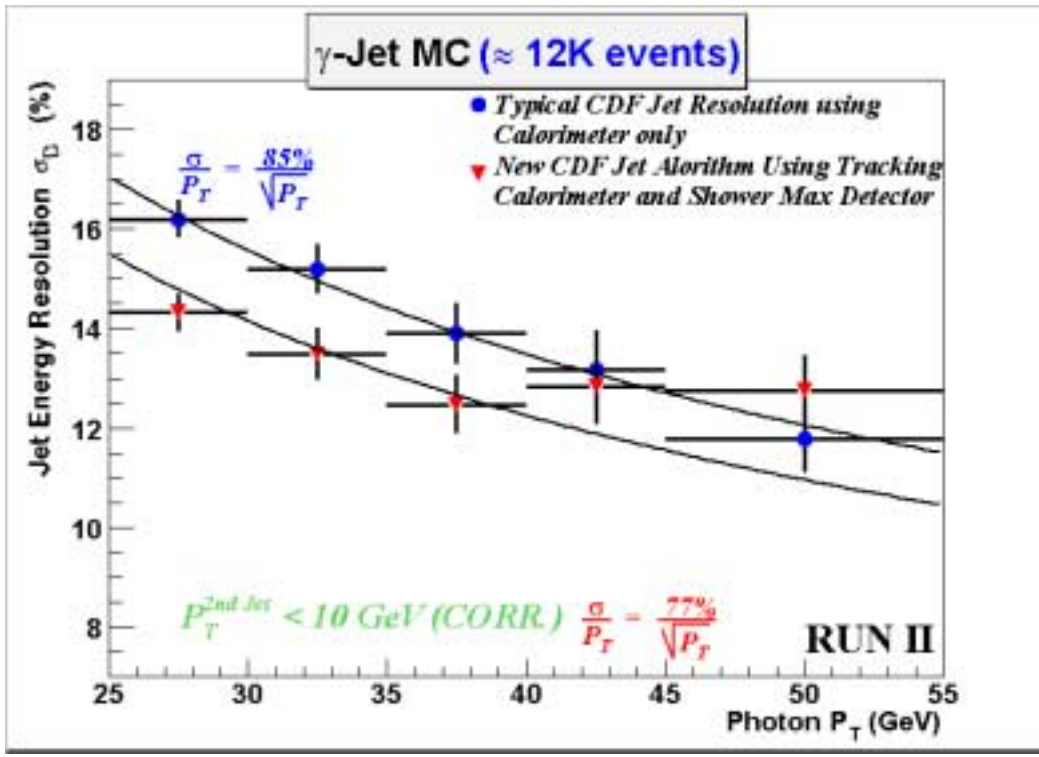


σ_D Distribution

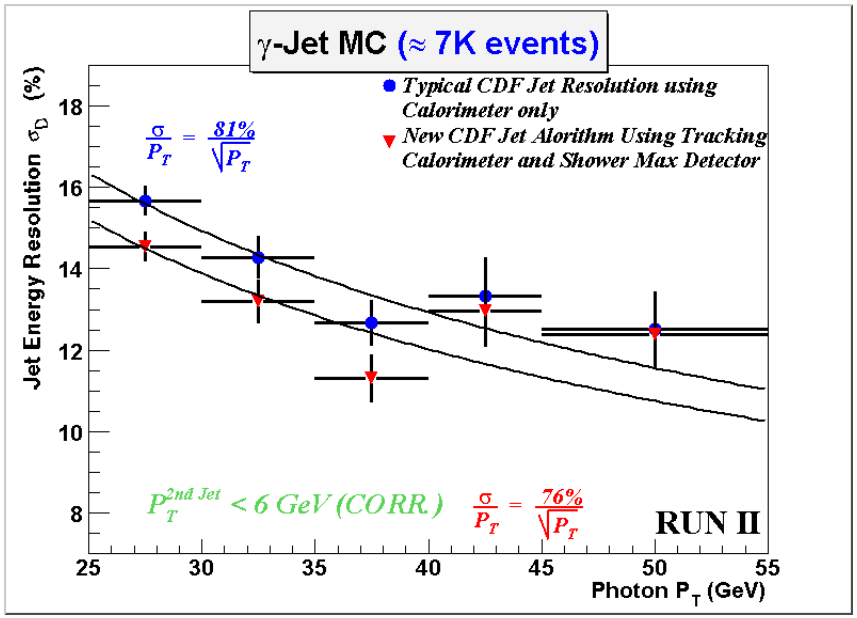
DATA

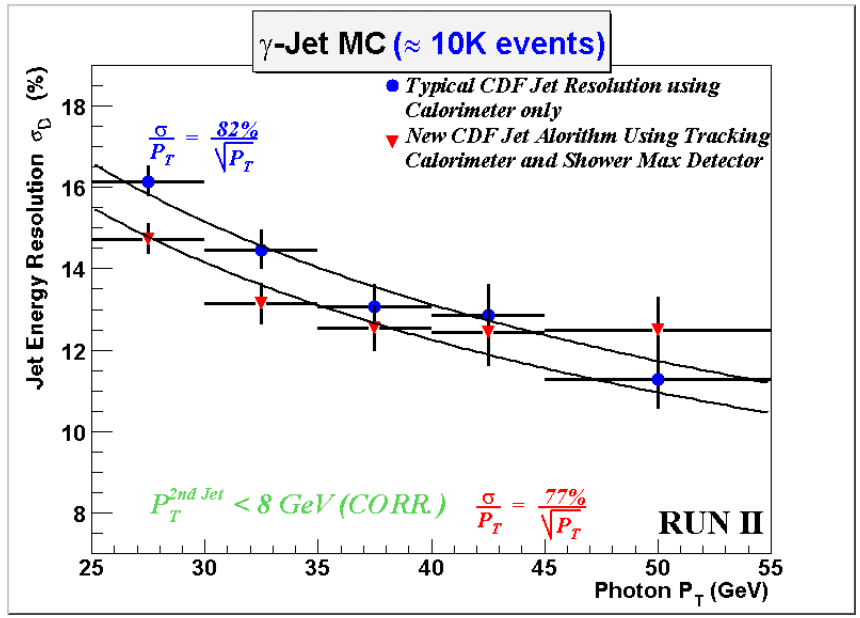


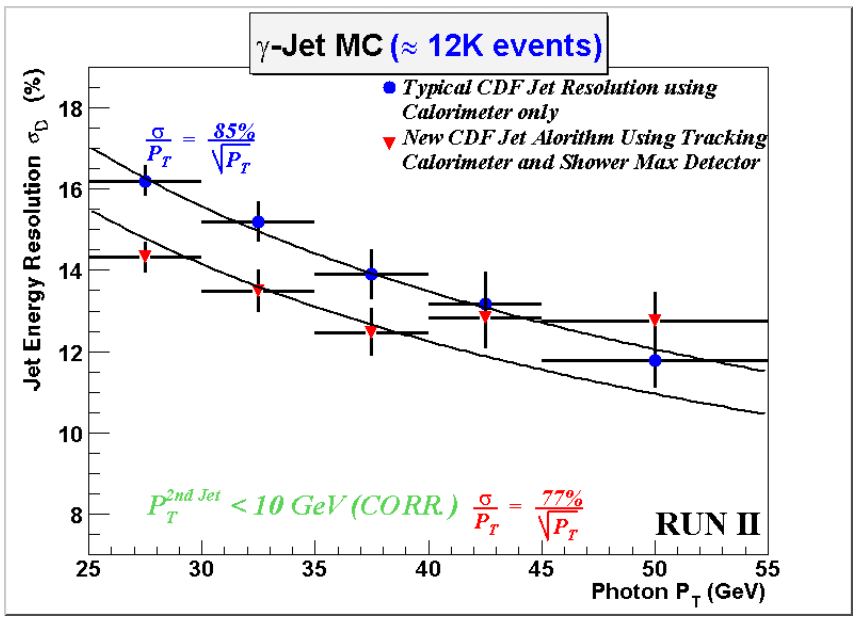
MC

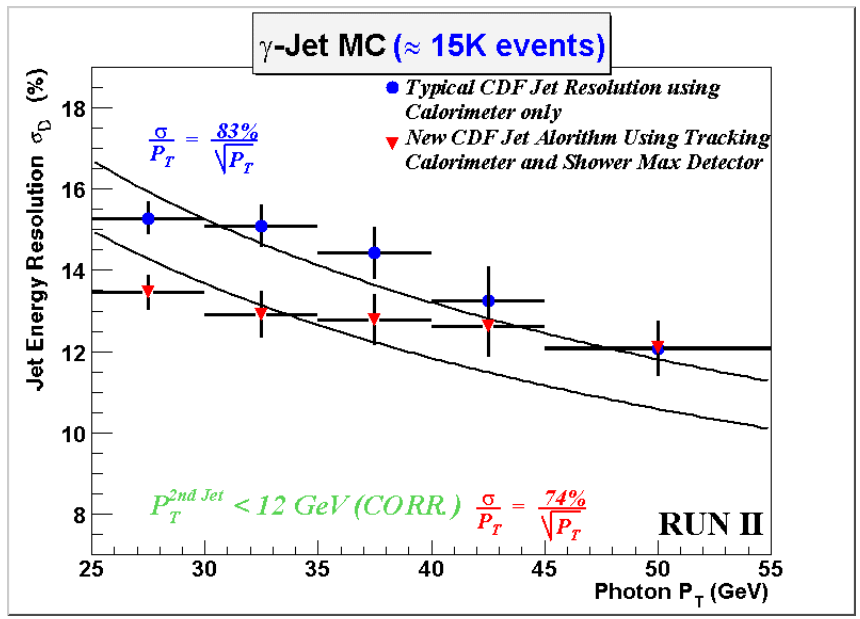


2nd Jet Cut Dependence - MC

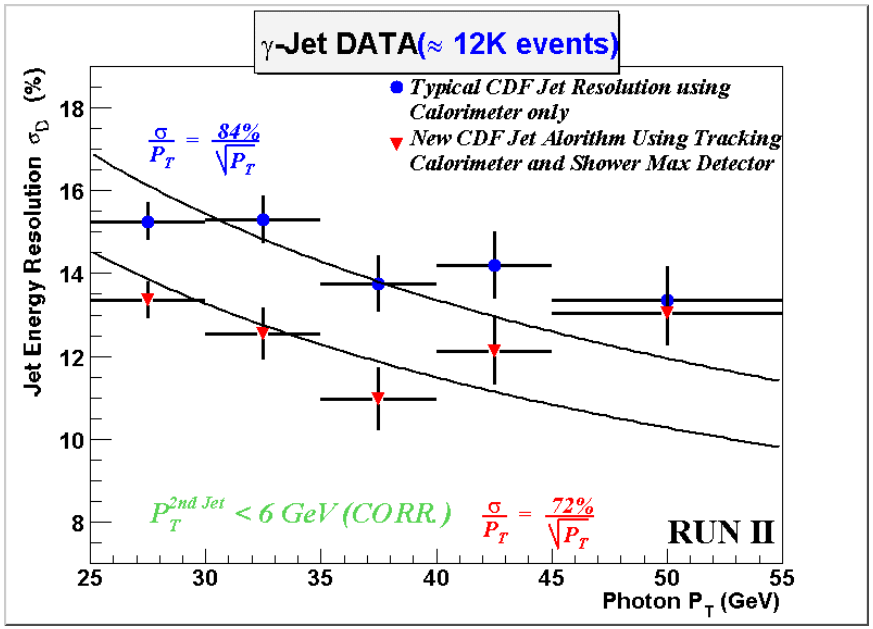


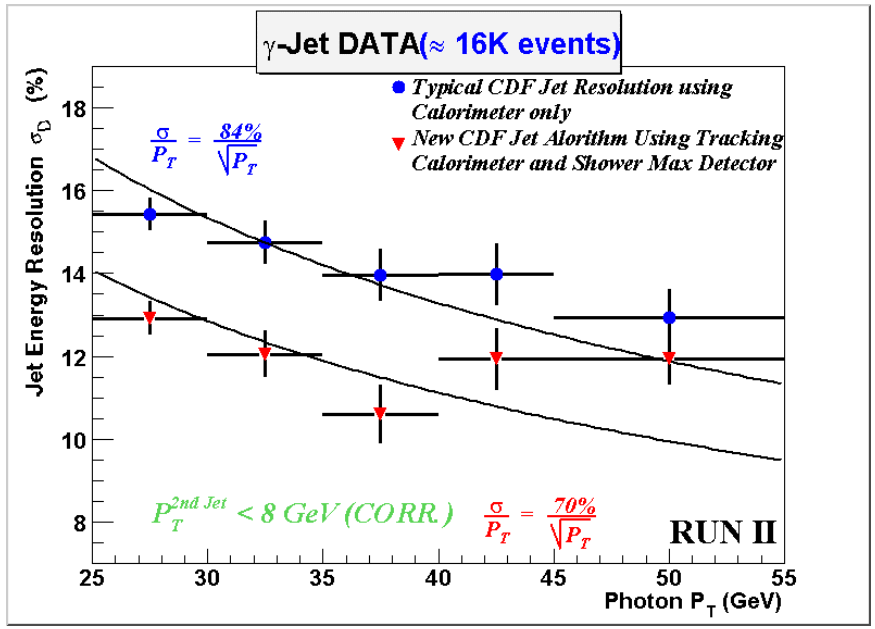


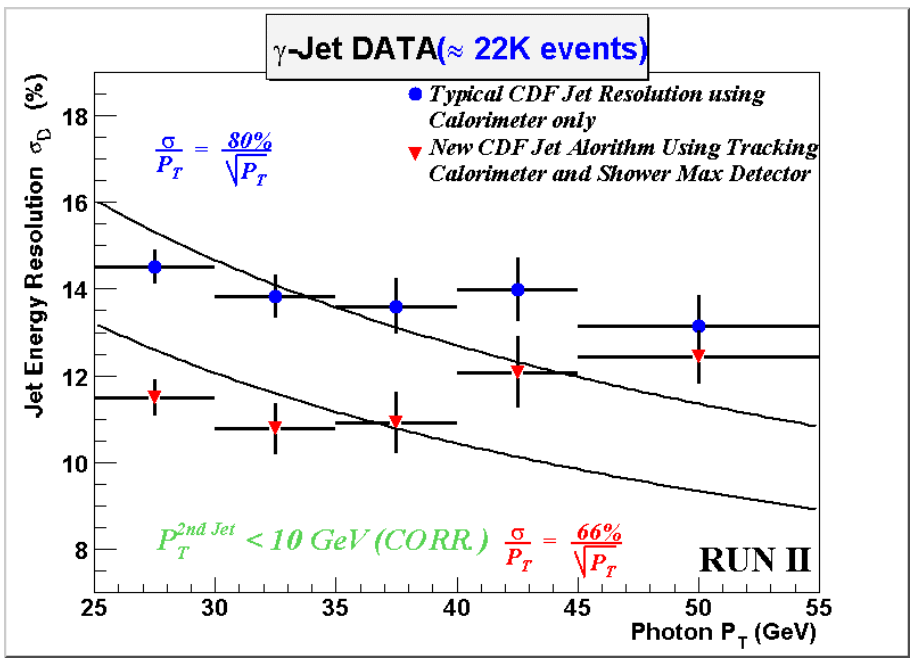


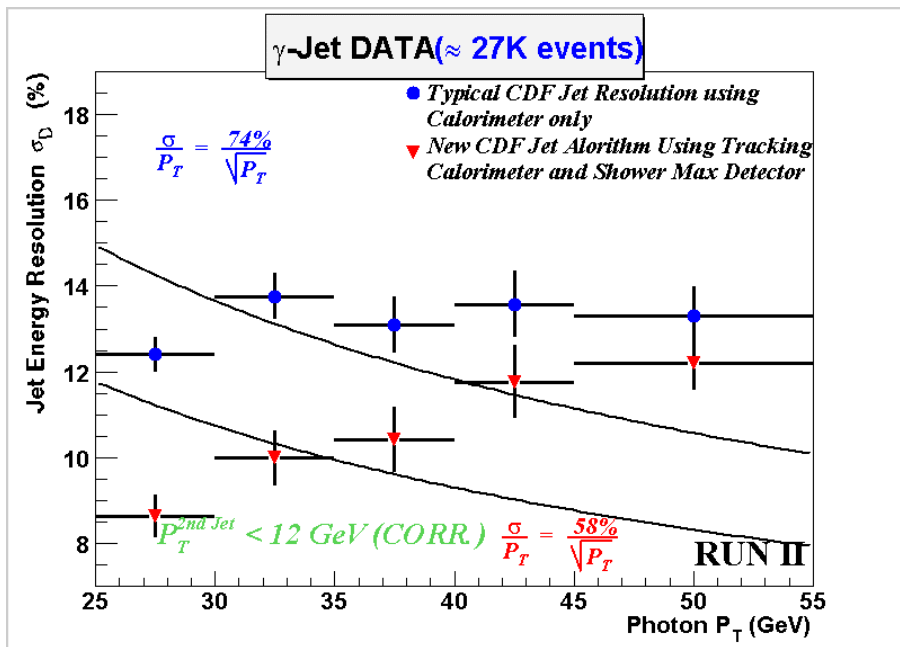


2nd Jet Cut Dependence - DATA



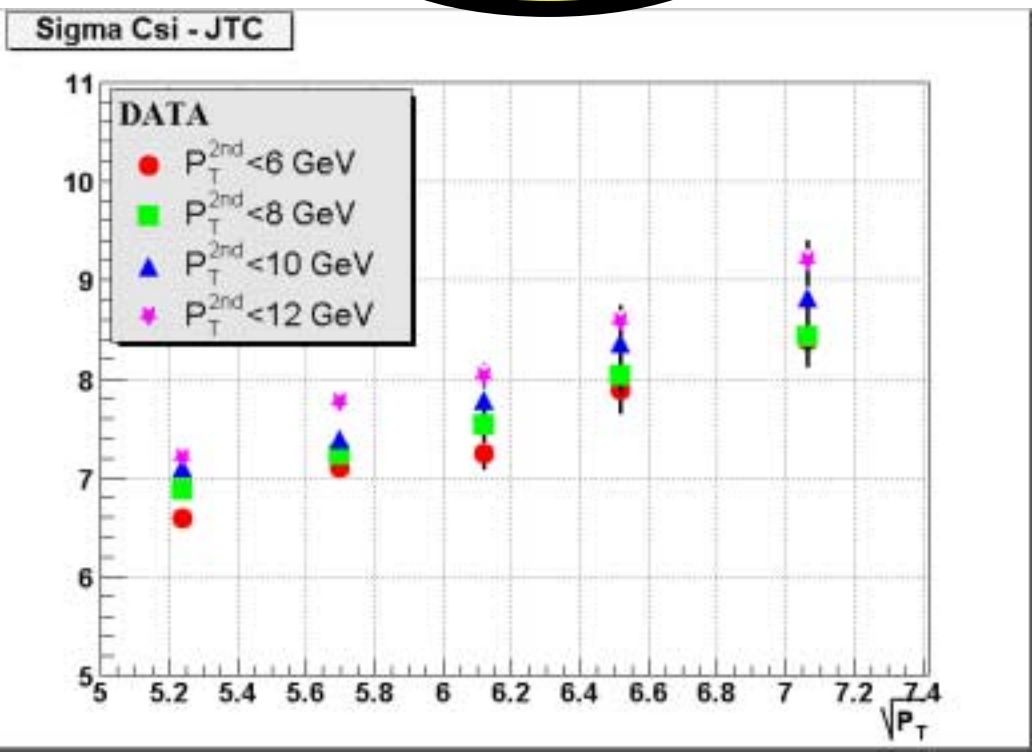




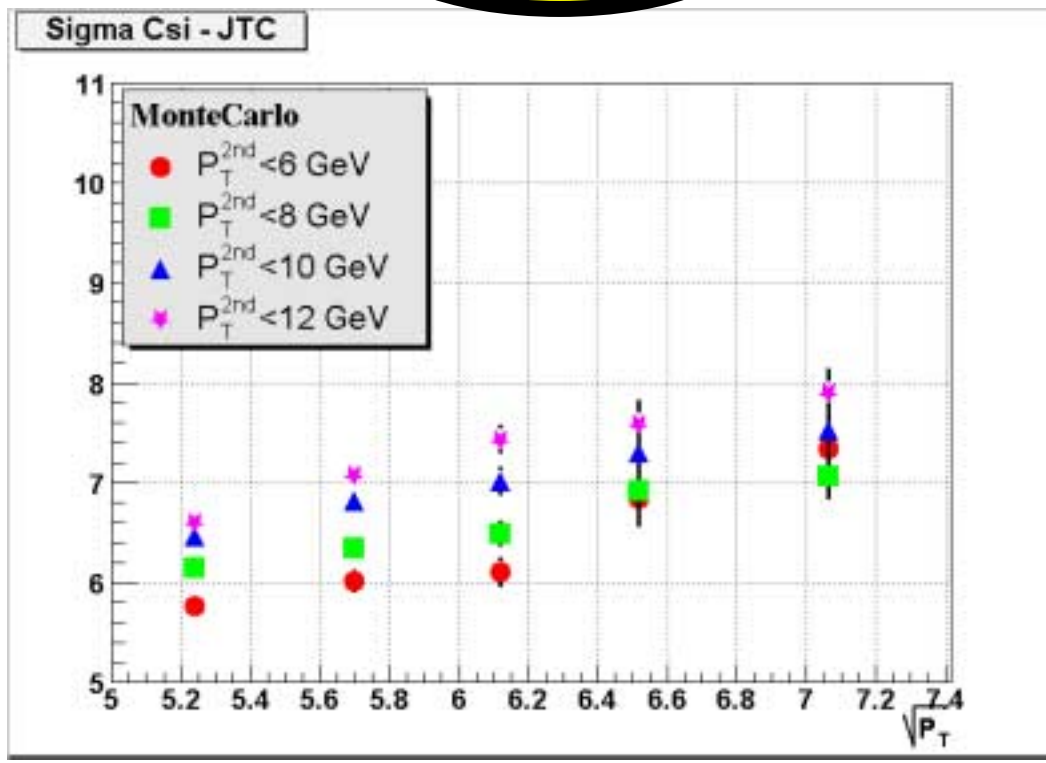


2nd Jet Cut Dependence - σ_ξ

DATA

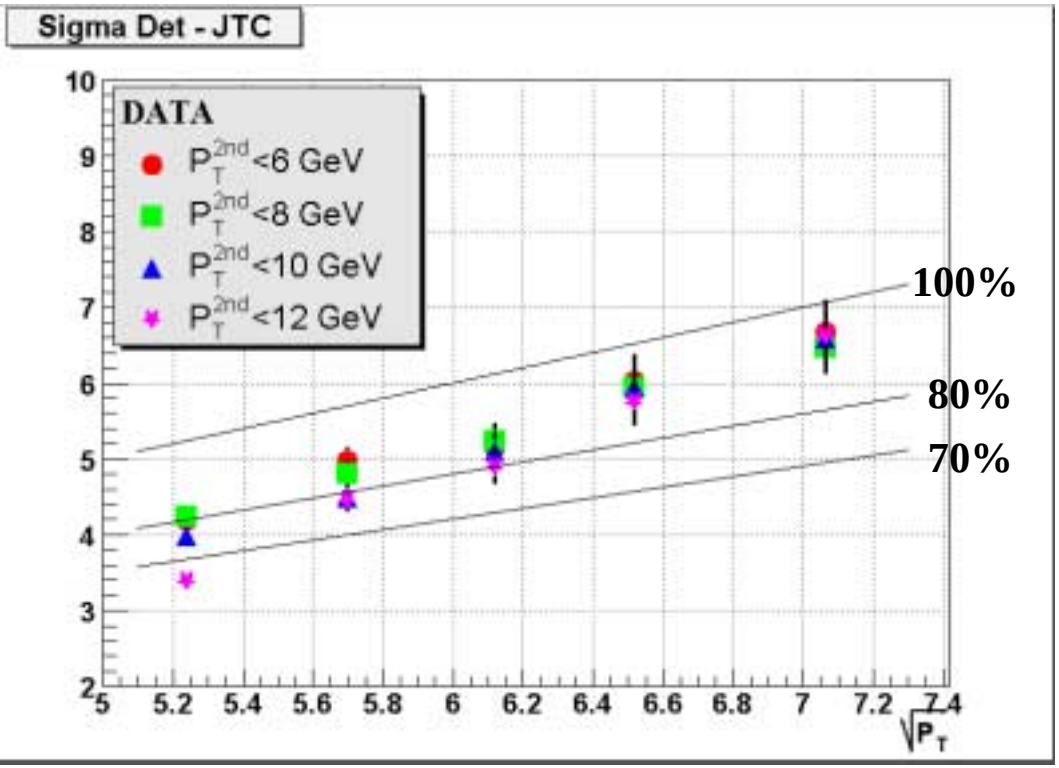


MC

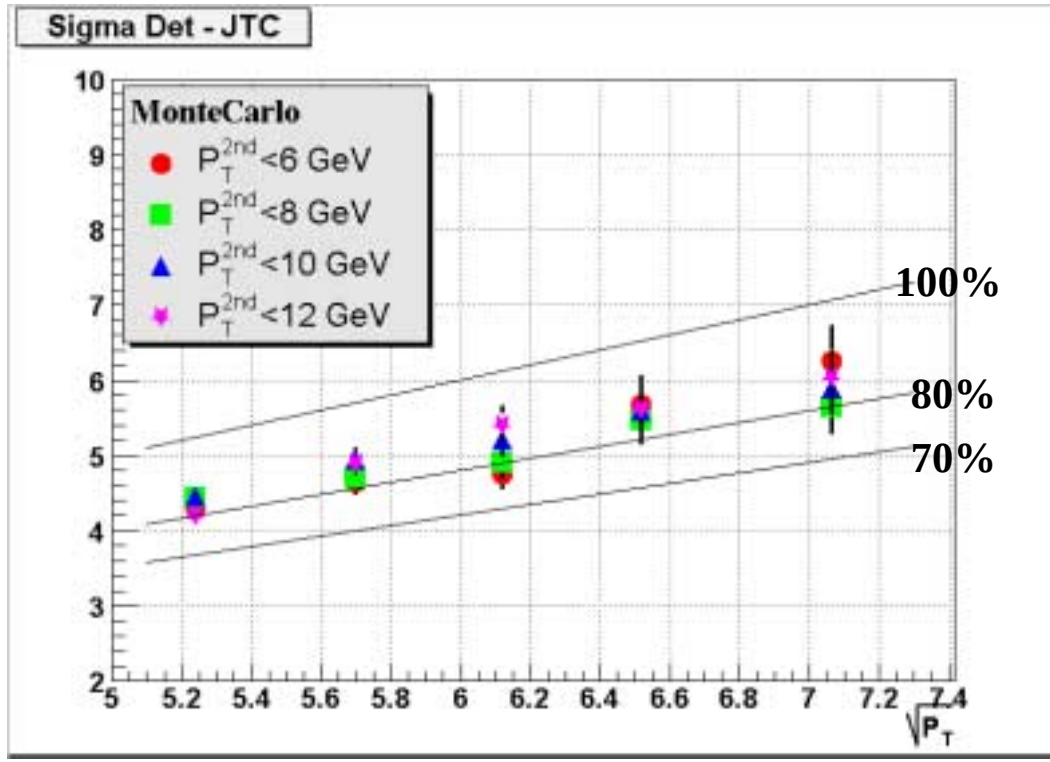


2nd Jet Cut Dependence - σ_D

DATA



MC



CONCLUSION: ***Data Problems (pt dependence AND 2nd jet sensitivity) not present in MC***