

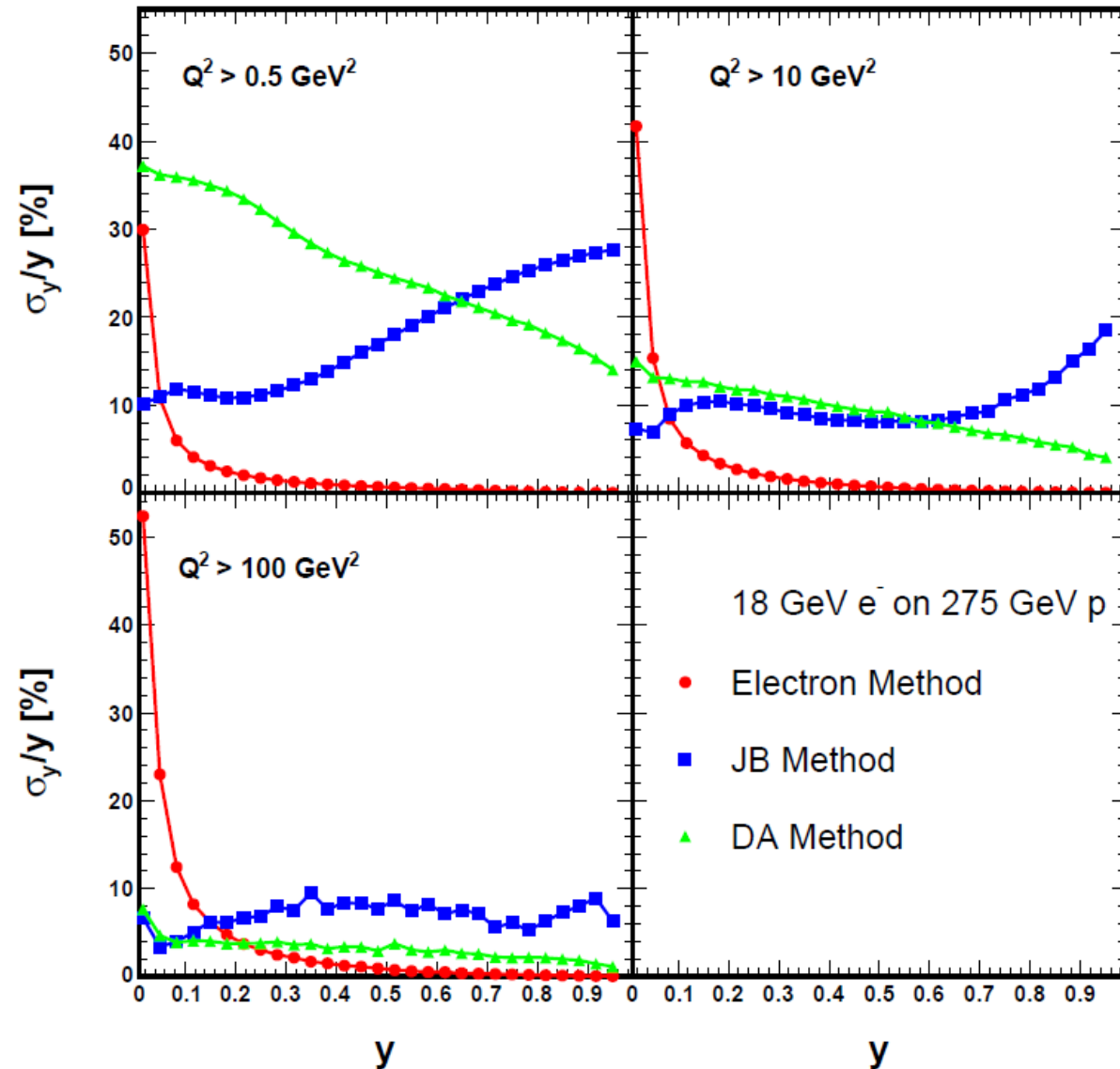
Presentation options for kinematic resolution plots

Barak Schmookler

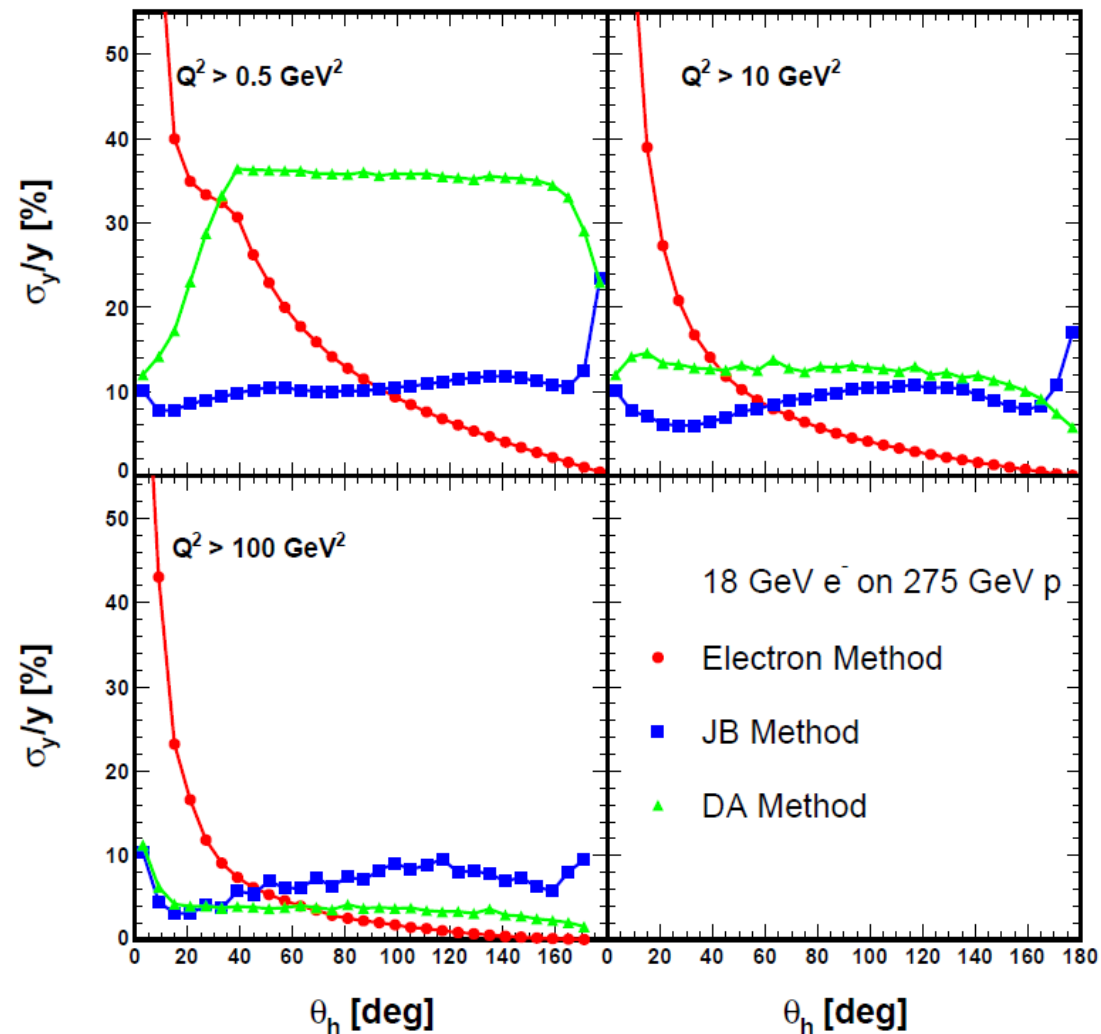
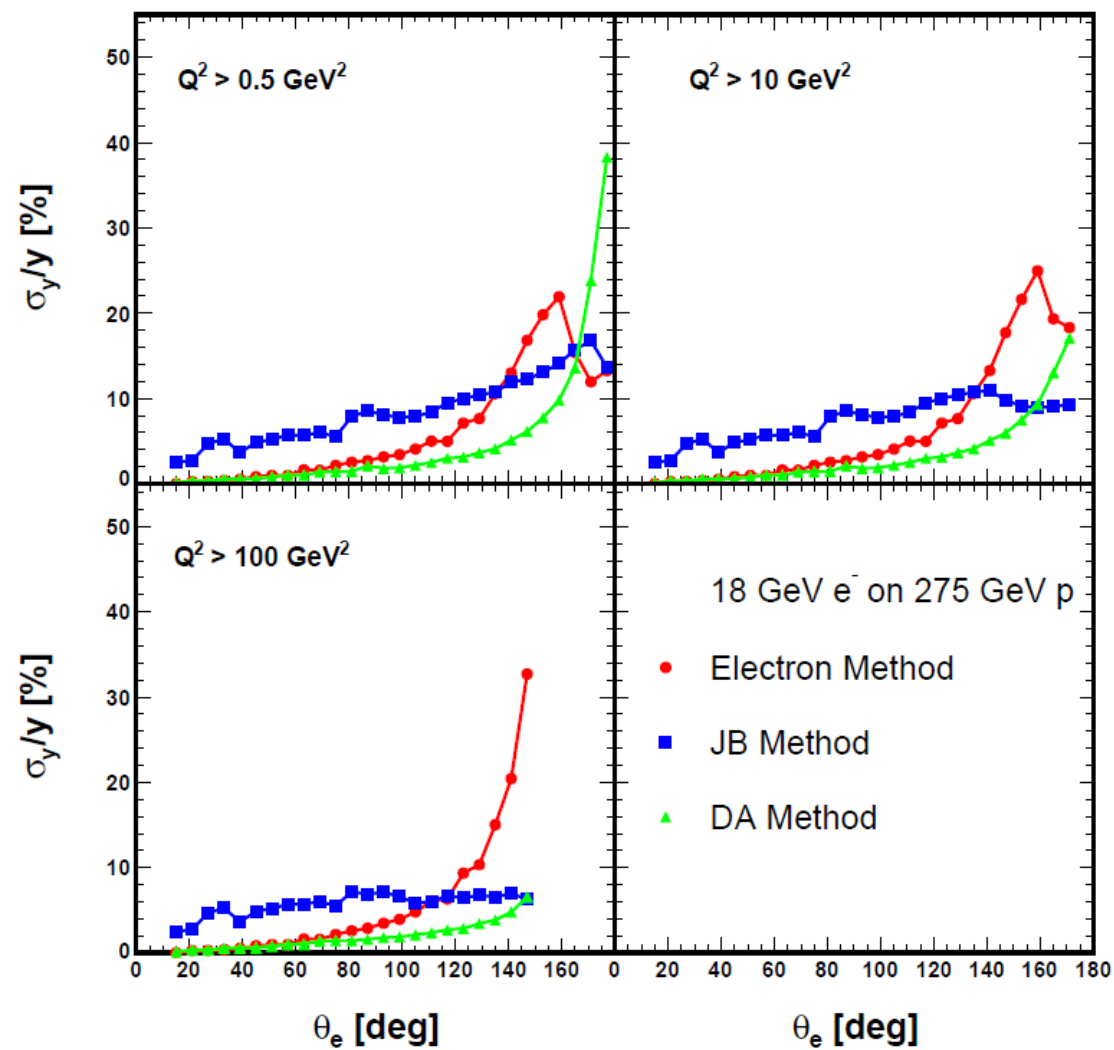
Introduction

- I will show a couple different options for presenting the kinematic resolutions.
- These plots were created with fast simulation (*Eic-smear*) using the Yellow Report reference detector and a simple 'energy-flow' algorithm.
- Resolutions are shown for the y variable using the scattered electron, JB, and DA methods. The results are shown for the 18x275 GeV energy setting.

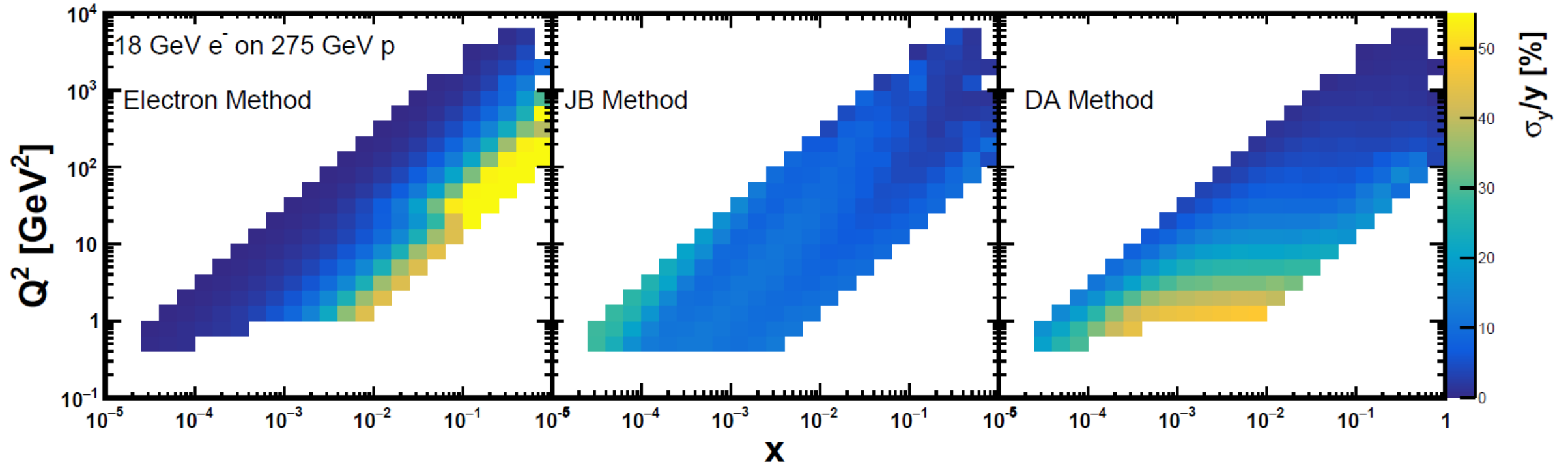
1D resolution as a function of y



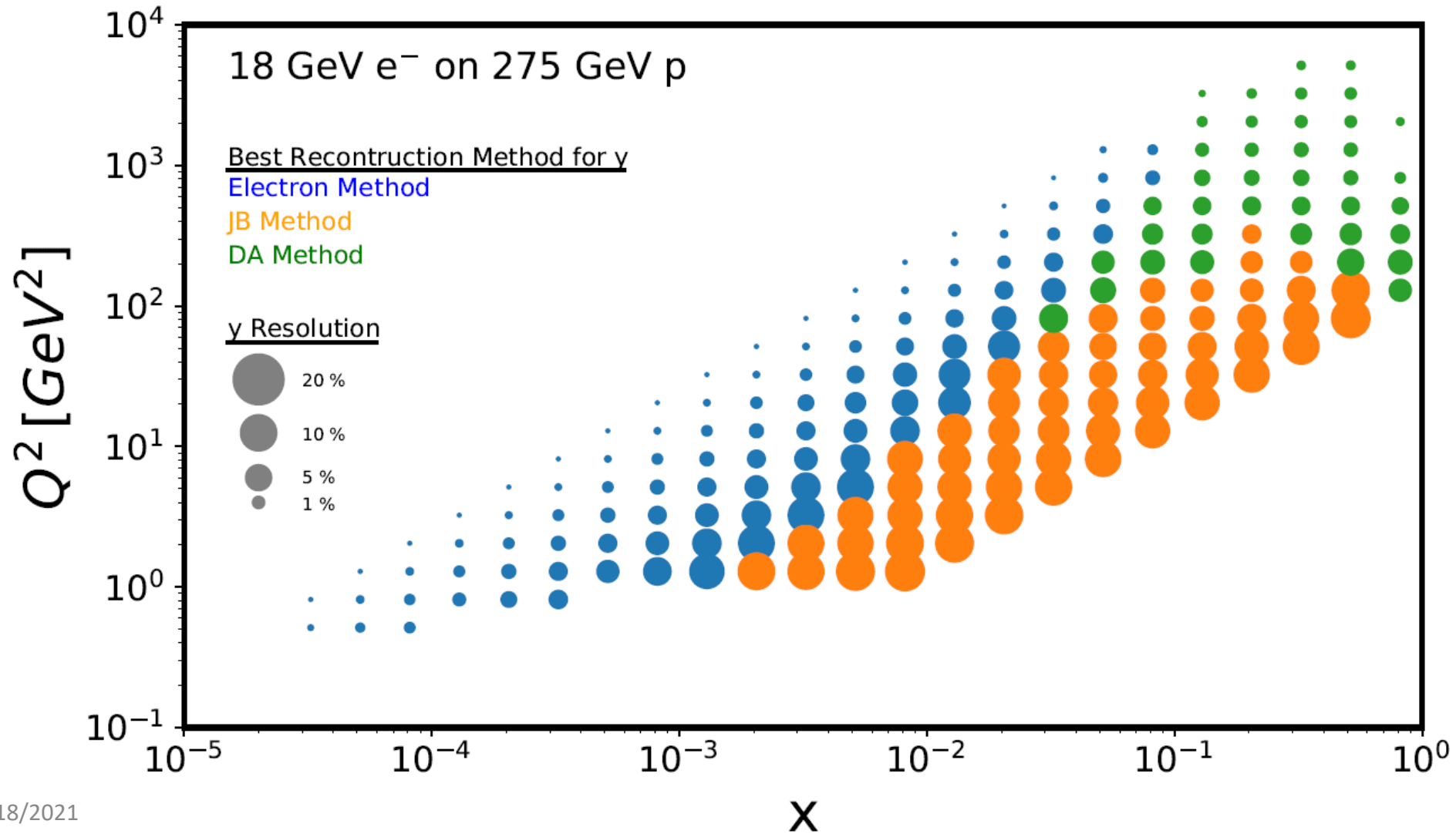
1D resolution as a function of scattered electron and hadron angles



2D resolution in the Q^2 - x phase space



Merged 2D resolution



Discussion

- Do we want to show any additional beam energies? Or just 18x275?
- Do we want to show resolutions on other variables besides y ?
- Should we include other methods besides the scattered electron, JB, and DA? Or will that make things look too cluttered?

- I will have the JB and DA methods in the *Juggler* framework by tomorrow.