Updates on Jet R_{eA}

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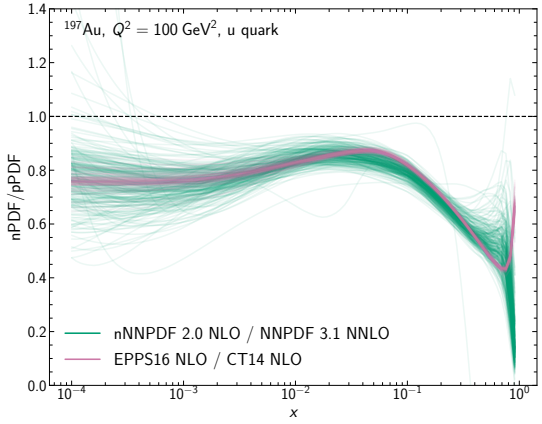
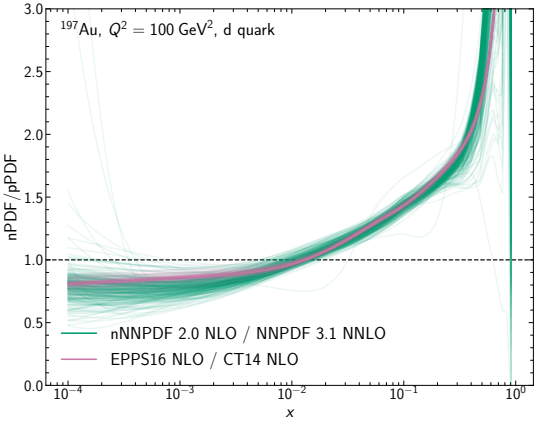
Updates from last Friday

- Analysis note draft a bit rough around the edges, but I think ready to go
- Improved understanding of the nPDF scaling
- Finished nPDF error systematic propagation
- Finished luminosity projection

Update on nPDF scaling

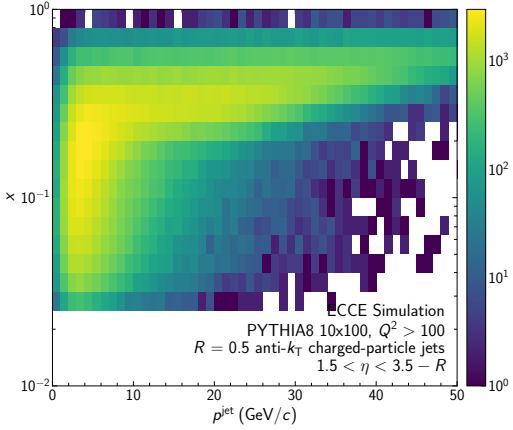
EPPS16 has a narrow spread



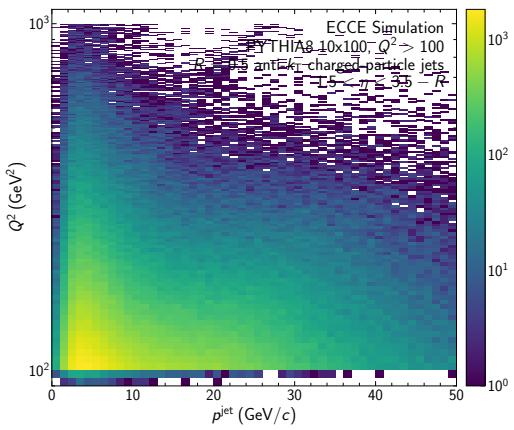


DIS Kinematics vs p_{jet}

x **vs** p_{jet}

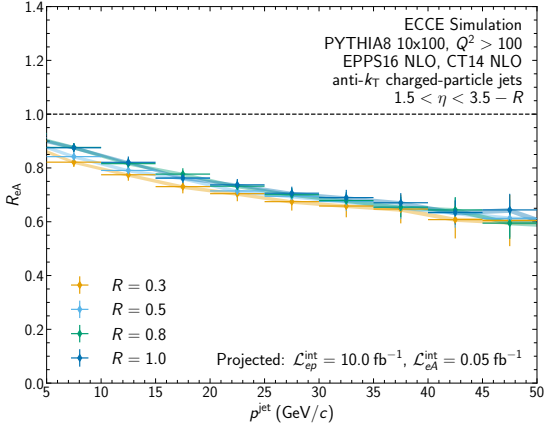


Q^2 **vs** p_{jet}

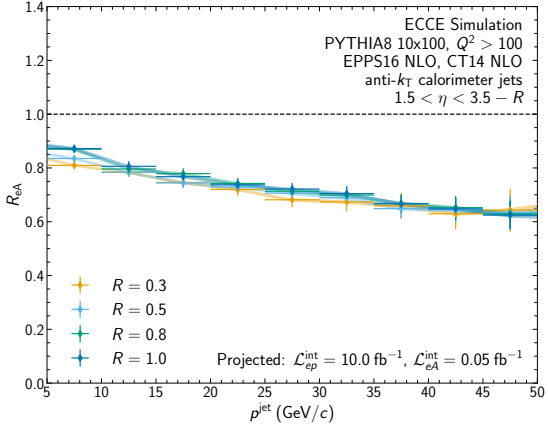


R_{eA} with luminosity projection

Charged jets

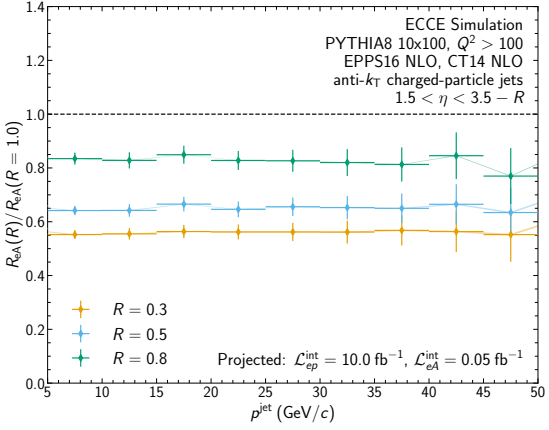


Calorimeter jets

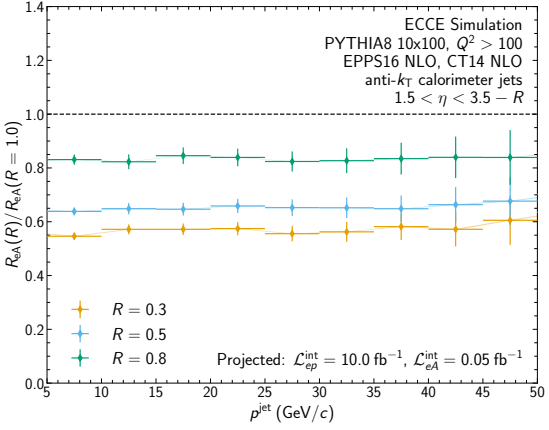


R_{eA} double ratio with luminosity projection

Charged jets



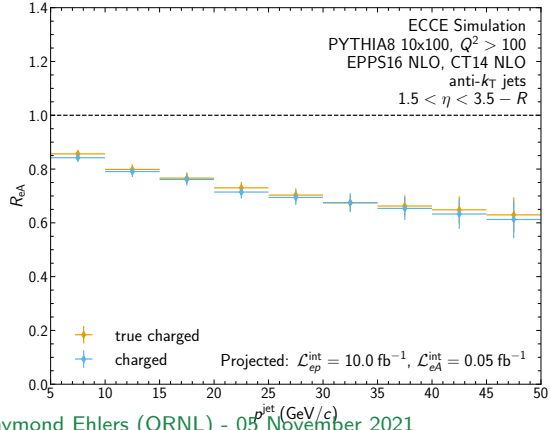
Calorimeter jets



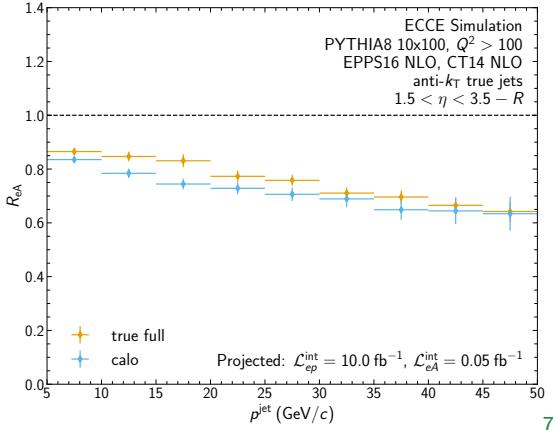
Particle level vs detector level

Detector effects are relatively small, seems they should be fine for unfolding

Charged jets



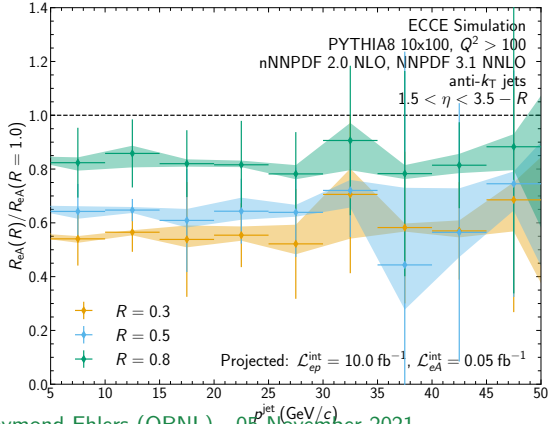
Calorimeter jets



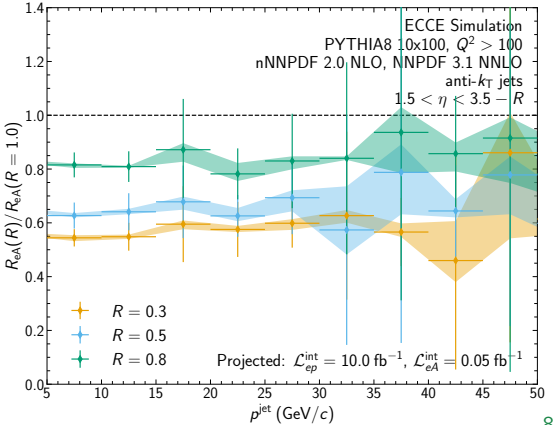
nNNPDF 2.0

Omitted from note, since the same code provides odd yields

Charged jets



Calorimeter jets



Backup