

Jets and Heavy Flavor WG Summary

Olga & Brian

June 7, 2024

Group Information and Contacts

❑ Mailing List: eic-projdet-jethf-l@lists.bnl.gov

❑ <https://lists.bnl.gov/mailman/listinfo/eic-projdet-jethf-l>

❑ Meeting Indico Pages: <https://indico.bnl.gov/category/420/>

❑ Wiki Page: <https://wiki.bnl.gov/eic-project-detector/index.php/JetsHF>

❑ Mattermost Chat: (sign-up link)

https://eic.cloud.mattermost.com/signup_user_complete/?id=i8gnmob4stdrpjfrezhegxs3ew

❑ Conveners

❑ Olga Evdokimov – evdolga@uic.edu

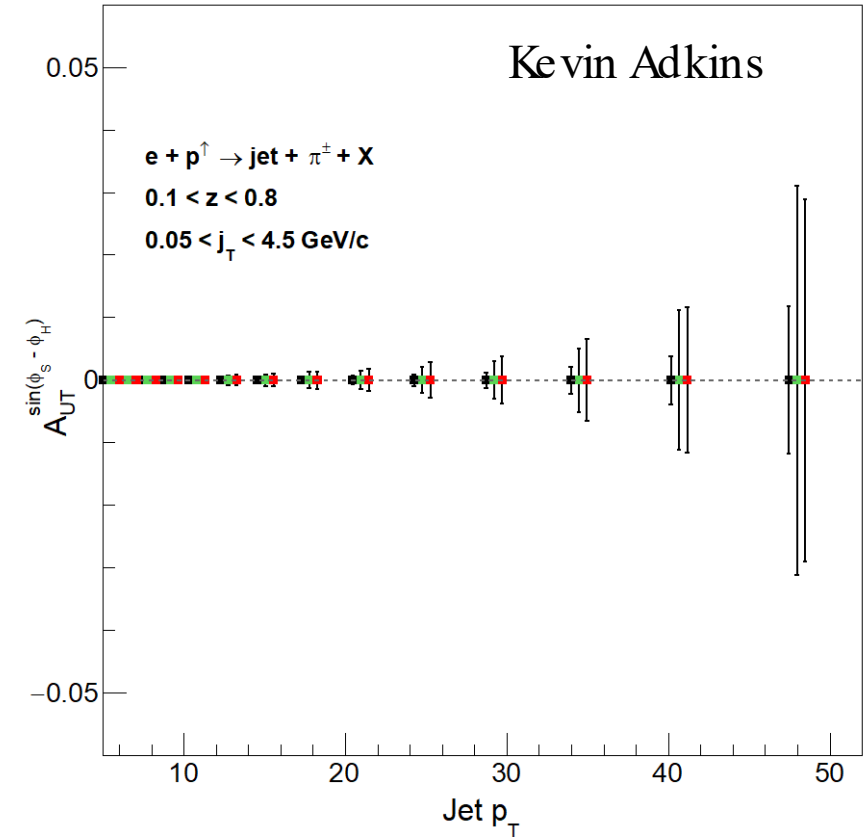
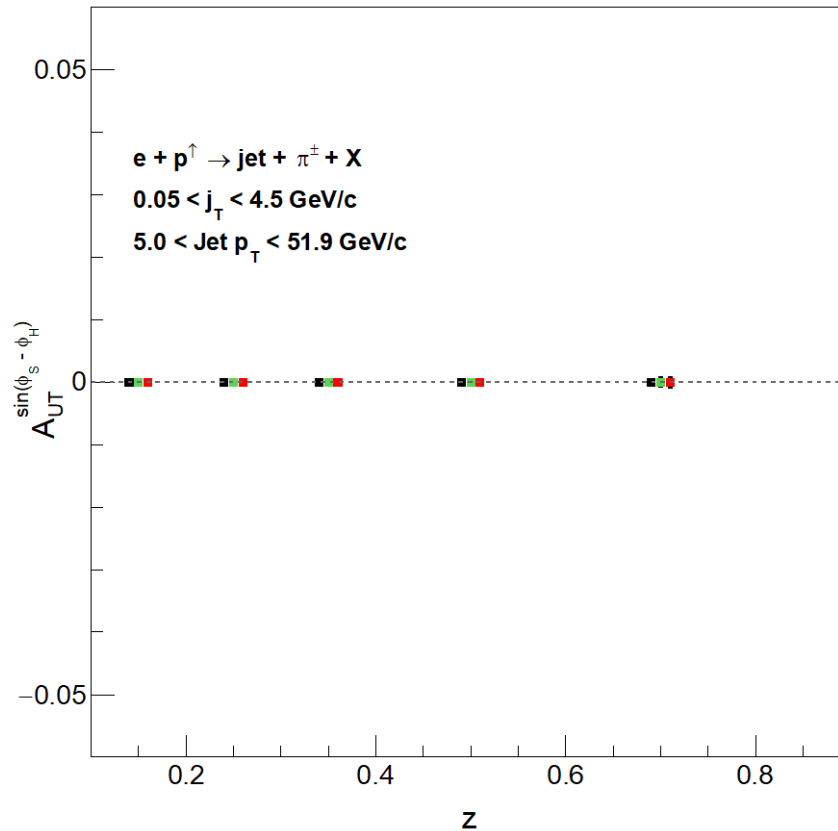
❑ Brian Page – bpage@bnl.gov

❑ Meetings

❑ Wednesdays 12 pm time slot - Biweekly

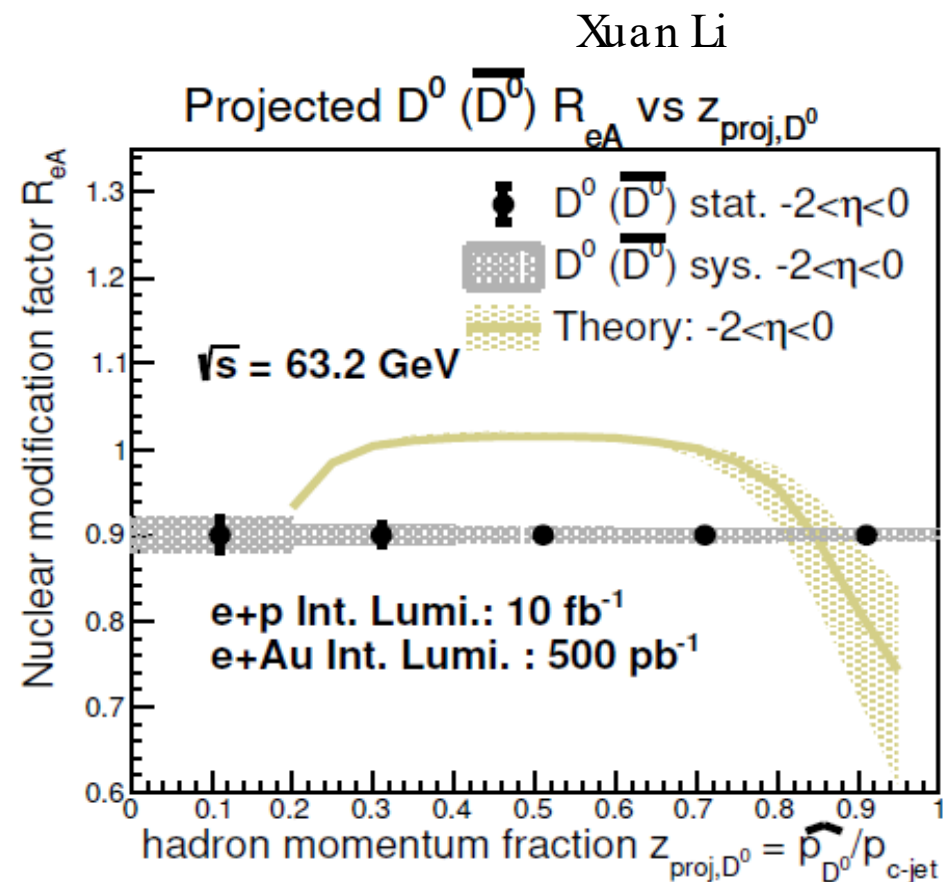
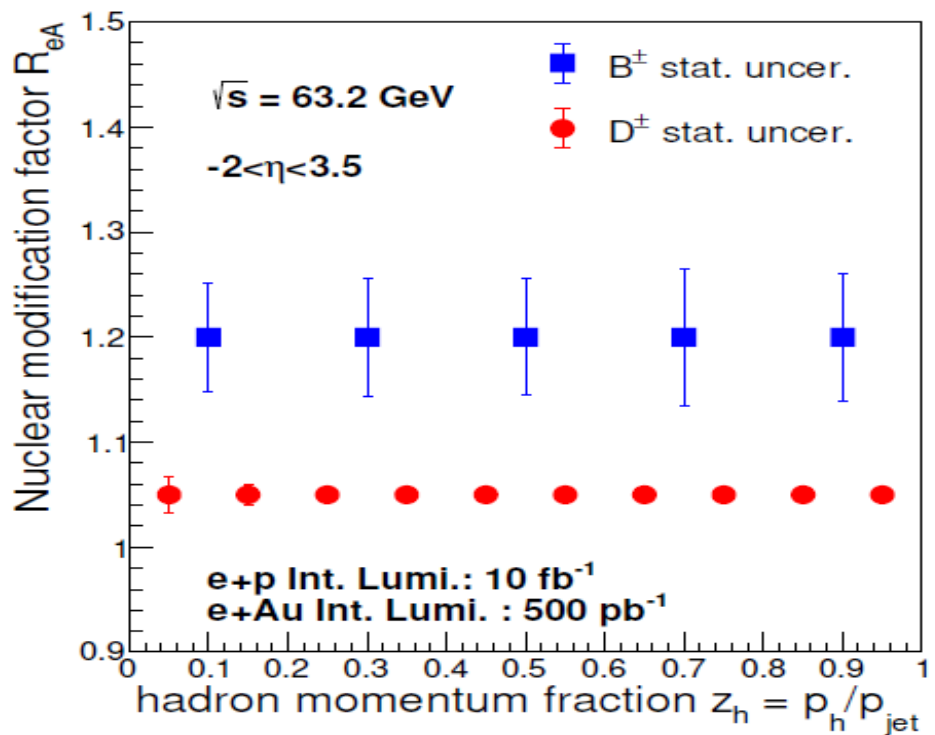
Updates

- Work on Hadron-in-Jet TDR plots progressing
 - Added appropriate cut on electron-jet momentum imbalance
 - Working on combining Q2 bins
 - Need realistic electron handling



Updates

- Hadron-in-Jet nuclear R_{eA} projections
 - Still in a standalone simulation with performance projections
 - Have some developments in full reco (Diptanil, Tanmay); not quite on a mass-shell yet



Updates

- ❑ Contributions from new members to the group
 - ❑ More people are getting familiar with the ePIC software/data formats
 - ❑ Variety of resolution plots in hand
 - ❑ Slow-ish “turn-on curve” for new developments
- ❑ Other discussions/working points:
 - ❑ Preliminary PID capability
 - ❑ Jet benchmarks developments
 - ❑ New jet reader test (accounting for changes in jet factories)

