

Jet and Heavy Flavor WG Summary

Olga & Brian

11/10/2023

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

Previous Meetings Summary

☐ October 11

- Xuan Li gave a presentation on potential HF and HF in jet measurements
 - Propose to start studying D0 and Lambda_c reconstruction
 - Person-power will be an issue
- Renee gave a summary of potential (jet) physics benchmarks
 - Inclusive/Di Jet cross sections
 - EE Correlators (interest also from Derek)
 - Hadron-in-jet (interest also from K. Adkins)

☐ October 25

- Juan Rojo gave a nice presentation on charm production at the EIC
- Barak gave a summary of tracking work
 - Work is progressing on track reconstruction from displaced vertices
- Derek gave a verbal update on PF implementation
 - Plan is still to have a 'Version A' ready for December campaign

Upcoming Tasks

- ❑ Need to define tasks and agenda for Vertexing and PF workfest sessions -> next few weeks
- ❑ Increase communication with those in the tracking group working on vertex reconstruction -> identify person power to help
- ❑ Begin implementing physics benchmarks with an eye toward performance plots for the TDR
- ❑ Continue improving Jet Factories (add PODIO connections to constituent particles)
- ❑ Next Meeting:
 - Discussion with Leszek on requirements for the backward HCal