Detector 1 – TOF PID WG

Kick-Off Meeting – April 25, 2022

TOF PID Detector Working Group

A few relevant pointers

- Mailing list: eic-projdet-tofpid-l@lists.bnl.gov
  - Subscription information: https://lists.bnl.gov/mailman/listinfo/eic-projdet-tofpid-l
- Indico page (TOF PID): https://indico.bnl.gov/category/414/
- Wiki page: https://wiki.bnl.gov/eic-project-detector/index.php/TOFPID
- Zoom: https://riceuniversity.zoom.us/j/91367321111?pwd=ZGRGZEN1dXg1aFBlSVdnMWsyaFE1UT09

- Default meeting time: need to find optimum to accommodate all participants and conveners
  - today's time slot may not be that one
- Conveners contact info:
  - Zhenyu Ye (UIC) - yezhenyu@uic.edu
  - Wei Li (Rice) – wl33@rice.edu
  - Constantin Loizides (ORNL) - constantin.loizides@cern.ch
  - Frank Geurts (Rice) – geurts@rice.edu

Today's Meeting

- Brief review of TOF PID designs and proposals
  - Next meeting: identify non-trivial differences and/or need of further optimization

- Review TOF PID workforce
  - integrate new collaborators
  - identify areas of responsibilities and leadership

Path Forward

- engage with Physics WGs
- engage with Tracker and Cherenkov-PID WGs
- engage with DAQ WG

- technology considerations and choices – engage with relevant consortia
- integration, services – engage with the Project
- detector simulation – engage with software & computing

Charge for the next meetings

- identify non-trivial differences between TOF designs
  - identify need of further optimization
- for each non-trivial difference prepare pro/con list accounting for technical performance risks and costs
  - decision on non-trivial differences done in consultation with the Project
- during the optimization process: continuous validation of performances for physics
- work closely with the Project towards the technical design
  - considering global integration
  - layout of ECCE in CAD to allow for detailed designs including support structures, front-end electronics, services