

eRD6 Efforts

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(For the eRD6 Consortium)

February 20, 2020

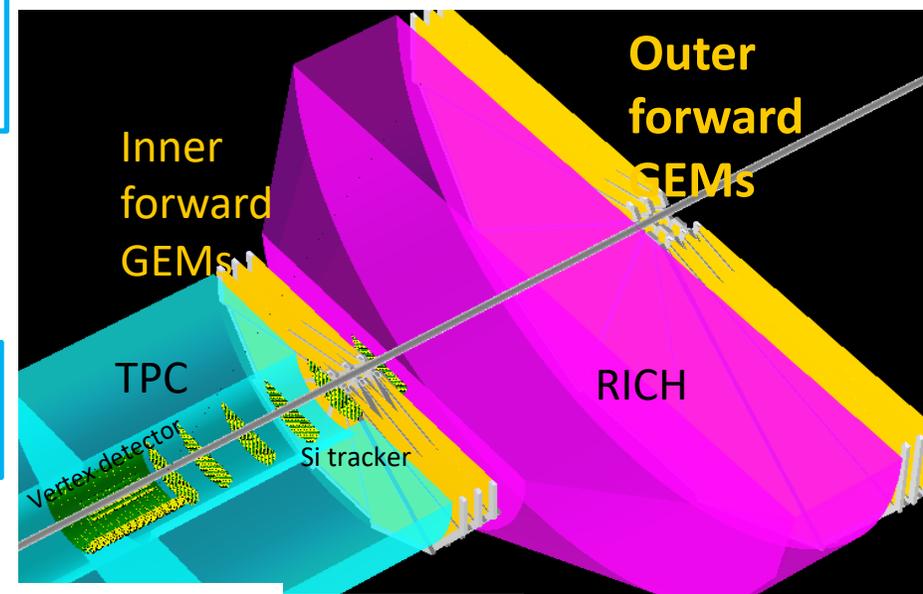
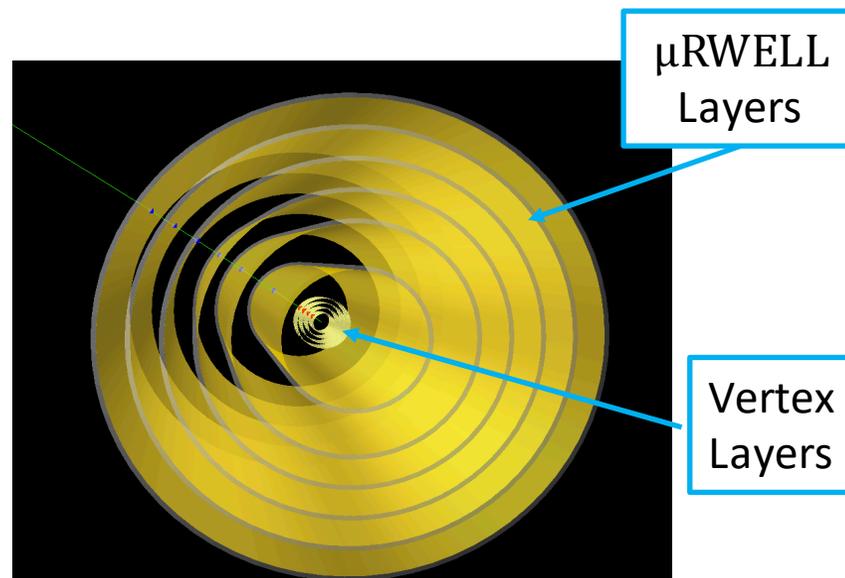
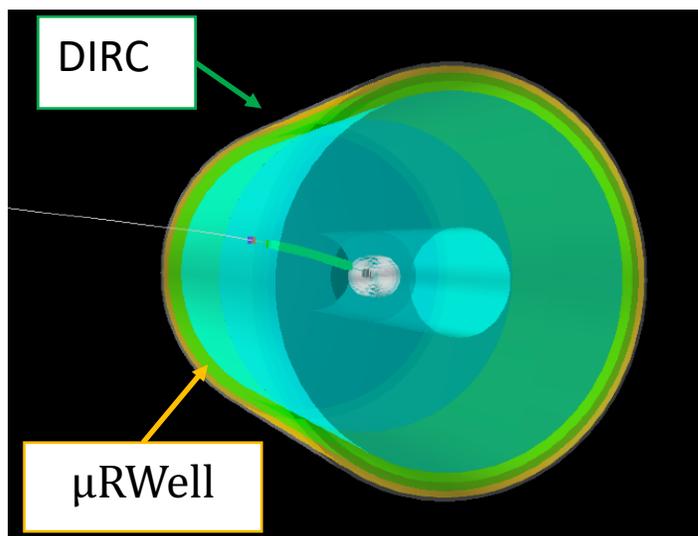


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Tracking Simulations

▣ Simulations (FIT, TU)

- Actively involved in tracking performance studies of **central (cylindrical MPGD trackers and TPC)** and **end cap (MPGD trackers)** regions, currently done in EicRoot
- Will contribute to the tracking simulation of the Yellow Report in these areas.
 - Markus Diefenthaler extended an invitation to work with the respective EIC software (**Fun4all/g4e**) experts help us implement our tracking detectors into that software.
 - Temple has already set aside travel money for this effort.
- What are the tracking simulation software needs?



□ eRD6 Yellow Report Contributions

- eRD6 has been very active and successful in EIC related gas tracking and PID R&D.
- eRD6 activities were discussed last meeting:
<https://indico.bnl.gov/event/7629/contributions/35135/attachments/26622/40406/posik-eRD6-Summary.pdf>
- Eager to continue R&D efforts.
- We will contribute to gas tracking simulations in central/end cap regions
- Level of engagement and commitment is hard to assess without more specific task list.

□ Can we generate a semi-specific list of items that we need for the yellow report?