Computing Model Discussion

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Overview

- This is intended to kick off the discussion about what our data taking scheme will look like

- David and Cristiano have developed a skeleton computing plan draft

  - Time to start these discussions is now, so that we have a cohesive document

- Need to develop ideas/plans about how we will take data, from detector to analysis

(Some) Questions to Consider

- General consensus that we should stream data at EIC. How to process all of the data?

  - One point for the computing plan - we should have some estimates of rates at various points in the data taking

- At what point do we look to store data? Do we plan to store all raw data (e.g. LHCb)?

  - What kind of computing resources will this require? Are these feasible?

- Where can we integrate AI/ML into the collection pipeline?

  - e.g. triggering, background discrimination, reconstruction, etc.

- What can we learn (if anything) from other high rate experiments (e.g. LHCb, ALICE, sPHENIX)?

- Many other questions likely - please bring them up for discussion!