RHIC Data and Analysis Preservation Round Table

08/07/25

Introduction

RHIC DAPP Review - Update

- Review took place on July 1st, the agenda and charge are available on [indico page](#)

- **The preliminary review report has recently been released for fact-checking**

- A **public version** will be made available shortly.

- The following slides highlight key points from **my** reading of the draft report.

Executive Summary

- **Overall Assessment: STRONGLY RECOMMENDED**

  - **Validated Approach:** Similar initiatives at HERA, BaBar, and LEP show that targeted preservation provides significant scientific returns at a fraction of the cost of large-scale experiments.
  - **Innovation Beyond Preservation**: Introduces AI-based methods for knowledge preservation with potential applications to other fields
  - **Strategic Positioning**: Establishes BNL and the U.S. as leaders in the data preservation
  - **Bridge to the Future:** Supports a smooth transition to the EIC, maintaining scientific productivity and community engagement during the interim

Key Areas for Refinement

- **Organizational**
  - Define FTE commitments and roles for each experiment.
  - Expand the risk assessment to cover technical, organizational, and funding-related uncertainties.
- **Implementation**
  - Start now comprehensive metadata curation within experiments.
  - Co-develop reproducibility frameworks with experiments based on real analysis cases.
  - Design structured onboarding procedures for future collaborators and users.
  - Engage early with the EIC community to align data needs and tools.
- **Forward Planning**
  - Balance AI innovation with long-term sustainability and operational viability.
  - Develop frameworks to facilitate data access in support of open science.
  - Implement task-sharing methods to mitigate long-term knowledge loss.

Today

1. Update on DAP ChatBot

- Next meeting: Thursday 8/14 – 10:00 AM EST - **TBD**