RHIC Data and Analysis Preservation Round Table

02/20/2025

Introduction

Notes from previous meetings

- Notes from previous meetings are available on individual indico pages

- Draft notes from previous meetings 02/04/2025 and 02/13/2025 are available for comments, please have a look

Notes from previous meetings - I

- Within the next few months, prepare a preliminary Data and Analysis Preservation Plan (DAPP) that includes resource estimates for upcoming reviews and institutional events (NP Budget Briefing, ONP site visit, PAC)
    - 'next few months' need to be quantified

- Evaluate the resources and effort required to achieve level 3 and level 4 preservation. Ongoing

- Identify tools and practices that can benefit the various experiments. Ongoing

- Start preserving knowledge, as it is the most important and challenging aspect of DAP. TBD – Prototype?
    - Provide future users with a comprehensive understanding of RHIC experiments by combining published data with validated, unpublished data.
    - Streamline access to RHIC information and data.

Today

1. Analysis within PHENIX - *Gabor*

2. sPHENIX publication policy - *Megan*

3. ~~Follow-up on STAR answer to questionnaire -~~ *~~Jerome~~*

- Next meeting: Thursday 2/27 – 10:00 AM EST

Topics for future meetings

- Strategies for preserving software (Docker vs VM) and workflows

- Technologies for a Web repository, what are the replacements for Drupal

- List the external dependencies (e.g., ROOT, HPSS, CVS, AFS, GitHub, Docker, etc.) required for Level 3 and Level 4 preservation.

- Finalize data volume associated with Level 3 and Level 4

- Review of databases needed for Level 3 and Level 4 preservation, respectively.

- Review the metadata associated with software and datasets in view of long-term preservation.

- Clarify whether the PHENIX taxi system needs to be maintained to preserve its analysis capability and what keeping it would entail.

- Insights from reanalyzing ALEPH and H1 data

- Porting CERN OpenData platform to BNL

- Identify contacts for Phobos and Brahms collaborations

- Metadata support requirements from PHENIX

- PHENIX to produce a set of recommendations for organizing software and documentation, based on their experience, to ensure efficient DAP.

- CVS requirements and evolution (STAR, PHENIX)

- Suggestions are welcome

Thank you