

# Meeting notes

Jan 16, 2025

# RHIC DAP Round Table #1

Indico: <https://indico.bnl.gov/event/26234/>

Attendees: Eric Lancon, Maxim Potekhin, David Morrison, Alexandr Prozorov, Chris Lepore, Franck Geurts, Gene Van Buren, Vincent Garonne, Gabor, Dunlop James, Yasuyuki Akiba, Jerome Lauret, <please add your name>

## Introduction, Eric LANCON

- Round table and presentation of each person
- Discussion about involving EIC in this effort and its relationship with DOE (and its vision)

## PHENIX perspective on DAP, Maxim Potekhin

- Dave: What is the arrangement that sPHENIX has with CERN regarding Zenodo? Do you have long-term support for the backend? CERN recognizes sPHENIX as an experiment, but CDS cannot be used.
- Maxim: sPHENIX has no SLA with CERN about Zenodo. Zenodo is different from CDS, and DOIs are preserved and can be moved.
- Franck: How many FTEs have been involved in the work shown?
- Maxim: On average, over the past five years, it was approximately 1 FTE (as an estimate). The experiment itself was involved to some extent, but this is not counted here.

## STAR perspective on DAP, Jerome LAURET

- Dave: What is the scale of facility support for indefinite maintenance? Perhaps BaBar has a better idea
- Jerome: some embryonic ideas: We are looking for commonalities, such as InvenioRDM. The effort can come from the experiment, and maintenance may not require a significant workload (around 1 FTE). A key consideration is virtualized environments and their future evolution. There might be a need for a hidden layer to keep up to date with virtualization technologies (e.g., OKD, REANA). An effort of approximately 2 FTEs may be sustainable in the long term

- Alexander: During the effort to set up a chatbot for STAR, including parsing PDF content, input from STAR experts was required to determine the best tools, approach, format, and indexing. It would also be beneficial to have a person from EPIC collaborate on this effort.
- Jerome: Discussion with Kevin about similar works, and recent updates on tools and techniques can be provided.
- Vincent: One important aspect is ensuring that the AI bot is useful for data preservation and experimental needs, such as generating code (e.g., Dave's example). Expert knowledge from the experiments must be involved to validate the accuracy of the answers.

## Trustworthy repository, Eric LANCON

- Moved to the next meeting

## AOB

- Gabor: Are we sure we want to reach Level 4 for data preservation?
- Eric: We should aim for Level 3 and eventually reach Level 4 as an alternative as we develop it.
- Franck: We should aim for Level 4. We have started publishing data from 2010 in STAR.
- James: Whatever we aim for, we need to identify what is needed.

## Next meeting

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## Summary or key decisions

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## Action items

- ☐ 011625-1: action item1, assigned to, deadline
- ☐ 011625-2: