

RHIC/EIC Transition and OPS Preparation Task Force in the Physics Department

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TIC meeting on April 28, 2025



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Charge to the Task Force from the ALD

As part of this commitment, I request that you help organize and carry out a plan to deliver the Off-Project scope to the EIC on behalf of the Physics Department and coordinate with the EIC Project and the Lab wide effort on this when it emerges. For your part, this will involve:

- Management of and participation in Online, Offline and Simulations software and computing support for the ePIC experiment.
- Participation in the Removal and Repurposing (R&R) of the sPHENIX and STAR detectors.
- Local space preparation for ePIC subsystem arrival, acceptance testing and installation preparation. Configuring and equipping BNL labs in B510 and other BNL space (including clean rooms) for use by ePIC.
- QA and maintenance of ePIC components prior to installation.
- ePIC Collaboration and Visitor support including establishment of the ePIC Collaboration Support Office, administrative support for ePIC meetings, workshops, reviews, outreach, training, Off-Project travel, documentation, publications, and similar activities.
- Preparation for operation of the ePIC experiment including establishment of a technical support group that is responsible for ePIC Maintenance and Operation activities.
- Support of the EIC research activities of Physics Dept personnel including the establishment of analysis tools and hardware/software infrastructure required for eventual ePIC data analysis.

The goal

Objectives

- Provide support for the EIC project and the ePIC experiment
- Assist the ALD in securing off-project funding

Key Upcoming Dates

- Budget briefing: May 2025 (exact date TBD)
- RHIC OPS Review (including planning for RHIC to EIC transition): September 8–10, 2025
 - Lab Director's Review: July 8–10, 2025

We need to ensure that we request sufficient and necessary funding to support off-project activities.

The activities

The key is understanding, communication, coordination, and collaboration:

- Software and computing (Torre Wenaus and Alexei Klimentov)
- R&R (Dave Chan, Ed. O'Brien, JH Lee)
- Labs, clean rooms, and offices (Paul Ofin, Brian Walsh)
- ePIC (John Lajoie, Silvia Dallatorre)

Plan to contact soon:

- EIC project
- Other BNL directorates
- ...

The process is iterative.

An underlying question is whether we have sufficient personnel to support pre-installation Q/A, testing, and maintenance.