ePIC Collaboration Meeting, January 2025

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14:00	**Compute–Detector Integration in the ePIC Experiment (20+10)**	*Dr Markus Diefenthaler*
	Brookhaven National Laboratory	*14:00 - 14:30*
	Coffee Break	
	Brookhaven National Laboratory	*14:30 - 15:00*
15:00	**Updates from EIC Computing & Software Joint Institute (20+10)**	*Amber Boehnlein et al.*
	Brookhaven National Laboratory	*15:00 - 15:30*
	ePIC Software and Simulation Campaigns (20+10)	*Dmitrii Kalinkin*
	Brookhaven National Laboratory	*15:30 - 16:00*
16:00	**Discoverable Software (20+10)**	*Holly Szumila-Vance et al.*
	Brookhaven National Laboratory	*16:00 - 16:30*

This plenary session on Software & Computing highlights the integral role of the ePIC Computing Model and software in enabling the ePIC experiment and realizing the EIC Science Program. Its goal is to promote our work and drive community engagement.

Parallel Sessions on Software & Computing

Thursday

Streaming Computing

With active testbeds and functional prototypes now in place, the streaming computing effort is transitioning from design to implementation. These developments aim to define and test the interface between DAQ and computing, and to mitigate risks in the integrated DAQ-computing system. In this session, we will review the status of testbeds and prototypes and discuss next steps.

Friday

AI in ePIC

In the parallel session, we will summarize the status of AI activities within ePIC and explore how to support the transition from prototypes to solutions that are general, maintainable, and scalable. We will also discuss our strategy for AI readiness for the ePIC detector. Finally, we will consider how to connect ePIC to broader AI initiatives across the community such as the Genesis Mission.

Joint Reconstruction and PID CC WG

This joint Reco WG-PID CCWG workfest focuses on the status of PID Software. Discussion will center on 3 key topics: (1) PID software integration status, (2) algorithmic requirements for performance studies, and (3) context of PID in the broader reconstruction flow. Developing a common data model for PID detectors will be a major point of discussion.