

Detector Reviews planned for 2025: Path to CD-2 Readiness

Preliminary Design Reviews (60% design maturity equivalent, called PDR, PDR2 or PDR3, pending the subsystem)

- PDR2: MPGD Tracking Detectors (6.10.03.02) – Summer 2025 – exact timing linked to progress on first engineering test articles
- PDR2: Silicon Tracking Detectors (6.10.03.01) – Fall 2025 – After early results of ITS3 ER2
- PDR2: Cherenkov-based Particle Identification Detectors (6.10.04; pfRICH, hpDIRC, dRICH) – **April 1-2, 2025**
- PDR2: AC-LGAD-based Particle Identification Detectors (6.10.04; BTOF, FTOF, common systems) – Fall 2025
- PDR3: Barrel EM Cal (6.10.05.02) – ~August 2025
- PDR2: Backward HCAL (6.10.06.01) – ~September 2025
- PDR: Magnet Cryogenics and infrastructure (6.10.07) – September/October 2025
- PDR3: Electronics/DAQ-computing (6.10.08. 6.10.09.01) – **Late August 2025** – this does not include slow controls
- PDR: DAQ-Slow Controls (6.10.09.02) – November/December 2025 – Later to ensure integration DAQ in the collider common platform
- PDR: Integration, Infrastructure and Installation (6.10.10) – September/October – everything outside GST, includes cradle, HCAL, etc.
- PDR: Integration, Infrastructure and Installation (6.10.10) – November/December 2025 – everything inside GST
- PDR3: IR Integration and Auxiliary Detectors (6.10.11) – November/December 2025 – includes 6.10.14 lumi detector
- PDR2: Polarimetry (6.10.014) – September/October 2025

Final Design Reviews (FDR):

- FDR: Backward & Forward EM Calorimetry, Barrel & Forward HCAL (6.10.05.01; 6.10.05.03; 6.10.06.02; 6.10.06.03) – **May 2025**

Project Reviews:

- ✓ OPA CD-3B Review – January 7-9, 2025
- OPA Project Status Review – Summer 2025 (~6 months after CD-3B Review) – expectation: late July/early August

Other Meetings:

- Detector R&D Day hosted by ePIC and EIC Project: **16 -17 April 2025? → more on the Agenda will follow soon (per T. Ullrich)**
- DAC Meeting – Comprehensive look to design status and readiness for CD-2: **3 days to split topics. June 11-13 @ BNL.**
- 5th RRB Meeting: **June 5-6, 2025** – Prague, Czech
- EIC International Computing Organization (EICO) is planning to meet on **April 2-4, 2025 @BNL**
- ePIC Software & Computing review by host labs: ~April/May 2025 for status check?

10th DAC Meeting, June 11-13, 2025

Day One – General Status Update, June 11, 2025

(This DAC meeting is in person at BNL on three consecutive days, with a remote closeout about a week later.

We will be able to accommodate remote participation for exceptions.)

(Draft) Agenda

(Eastern Daylight Savings Time)

08:30 – 09:00	DAC Executive Session
09:00 – 09:30	EIC Status and Plans – Jim Yeck
09:30 – 10:10	ePIC Collaboration: Status, Plans, Responsibilities, Capabilities – John/Silvia
10:10 – 11:00	ePIC Technical Baseline and Agreements Status – Elke/Rolf
11:00 – 11:30	<i>Break</i>
11:30 – 12:00	ePIC Electronics – Fernando Barbosa
12:00 – 12:30	ePIC DAQ/Computing – David Abbott, Jeff Landgraf
12:30 – 13:00	ePIC Magnet Status – CAM
13:00 – 14:00	<i>Lunch Break</i>
14:00 – 14:40	ePIC Detector Integration, Infrastructure and Installation – Rahul Sharma
14:40 – 15:10	Electron and Hadron Polarimetry – CAM
15:10 – 15:40	Accelerator and Detector Commissioning Plan – Elke
15:40 – 16:00	<i>Break</i>
16:00 – 17:30	DAC Executive Session

10th DAC Meeting, June 11-13, 2025

Day Two – Tracking and Particle Identification, June 12, 2025

(Draft) Agenda

(Eastern Daylight Savings Time)

08:30 – 09:00	Follow-up on DAC Questions
09:00 – 09:30	EIC Tracking and Particle Identification Requirements
09:30 – 10:30	ePIC Silicon Vertex Tracker Status – DSC/CAM
10:30 – 11:10	ePIC MPGD Tracker Status – DSC/CAM
11:10 – 11:30	<i>Break</i>
11:30 – 12:00	ePIC proximity-focusing RICH Status – DSC/CAM
12:00 – 12:30	ePIC dual RICH Status – DSC/CAM
12:30 – 13:00	ePIC high-performance DIRC Status – DSC/CAM
13:00 – 14:00	<i>Lunch Break</i>
14:00 – 15:00	ePIC AC-LGAD/TOF Detector Status – DSC/CAM
15:00 – 17:30	DAC Executive Session

*CAMs will reach out to the DSCs
to discuss the best plan to present*

10th DAC Meeting, June 11-13, 2025

Day Three – Calorimetry and Ancillary Detectors, June 13, 2025

(Draft) Agenda

(Eastern Daylight Savings Time)

08:30 – 09:00	Follow-up on DAC Questions
09:00 – 09:30	EIC Calorimetry and Ancillary Detectors Requirements
09:30 – 10:30	ePIC Ancillary Detectors – DSC/CAM
10:30 – 11:00	ePIC Backward EM calorimeter (EEEMCAL) status – DSC/CAM
11:00 – 11:30	Break
11:30 – 12:00	ePIC Forward EM calorimeter status – DSC/CAM
11:00 – 12:30	ePIC Barrel EM calorimeter (BIC) status – DSC/CAM
12:30 – 13:10	ePIC Forward Hadron Calorimeter & Insert – DSC/CAM
13:10 – 14:10	Lunch Break
14:10 – 14:40	ePIC Barrel Hadron Calorimeter – DSC/CAM
14:40 – 15:00	ePIC Backward Hadron Calorimeter – DSC/CAM
15:00 – 17:30	DAC Executive Session

Likely Far-Backward (lumi + low-Q2) and Far-Forward talk

Closeout (remote), day roughly a week later, June ??, 2025

09:00 – 10:00 Closeout

CAMs will reach out to the DSCs to discuss the best plan to present