

TIC MEETING COMMUNICATIONS

- Klaus Dehmelt
- Technical and Integration Council Meeting
- May-22-2023



Stony Brook University

The State University of New York



FROM ELKE: WHAT WE ARE DOING THIS SUMMER

2

REVIEWS REVIEWS REVIEWS REVIEWS

- EIC Project ePIC Engineering Workshop May 10-12, 2023, at BNL/Zoom
- ~~EIC Cost Review- June 26-29, 2023~~
- EIC AB Meeting- June 29, 2023, virtual
- Preliminary Design Status Review ePIC PID detectors 5&6 or 6&7 of July → 3 reviewers confirmed by now
- PAC Meeting- TBD- Summer 2023
- MAC Meeting- TBD Summer/Fall 2023
- DAC Meeting(s)-TBD Late Summer/Fall 2023 → detector R&D (2 days) and technical design review of entire ePIC detector (2 days)
- September FDRs for LLPs of Detector
- 90% Design Review Solenoid October 5&6
- EIC CD-3A Director's Review- October 10-12, 2023, at BNL
- EIC CD-3A OPA Review- November 14-16, 2023, at BNL
- RRB Meetings
December 7-8, 2023, at SURA
April 2024 tentative for Europe/Italy


- **DOE OPA Status Review** October 19-21, 2021(A)
- FPD Status Update at BNL June 28, 29, 30 2022(A)
- Technical, Cost, and Schedule Scrutiny Meeting July – Sept 2022 (A)
- Project, Detector & Infrastructure Advisory Meeting October 2022(A)
- **DOE OPA Status Review** Jan. 31-Feb 2, 2023(A)
- Project Advisory Meeting February 22, 23 2023(A)
- Infrastructure Advisory Meeting March 22, 23 2023(A)
- 1st RRB Meeting April 4,5 2023 (A)
- **Begin LLP EVMS (practice 3 months data)** **July 2023**
- **CD-3A Director’s Review** (Co-Chaired by M. Reichanadter / S. Cousineau) **October 10-12, 2023**
- **DOE CD 3A OPA Review** **November 2023**
- **DOE CD 3A ESAAB Approval** **January 2024**
- **Final Design Reviews for all ePIC subsystems** **April – October 2024**
- DOE CD 2/3 OPA Review and ICR January 2025 (TBC)
- DOE CD 2/3 ESAAB Approval April 2025


The project Machine and Detector Advisory Committees will perform design assessments in Late Summer.


- **DOE OPA Status Review** October 19-21, 2021(A)
- FPD Status Update at BNL June 28, 29, 30 2022(A)
- Technical, Cost, and Schedule Scrutiny Meeting July – Sept 2022 (A)
- Project, Detector & Infrastructure Advisory Meeting October 2022(A)
- **DOE OPA Status Review** Jan. 31-Feb 2, 2023(A)
- Project Advisory Meeting February 22, 23 2023(A)
- **Need to get DSC efforts into WBS structure**
- **Begin LLP EVMS (practice 3 months data)** July 2023
- **CD-3A Director's Review** (Co-Chaired by M. Reichanadter / S. Cousineau) October 10-12, 2023
- **DOE CD 3A OPA Review** November 2023
- **DOE CD 3A ESAAB Approval** January 2024
- **Final Design Reviews for all ePIC subsystems** April – October 2024
- DOE CD 2/3 OPA Review and ICR January 2025 (TBC)
- DOE CD 2/3 ESAAB Approval April 2025

The project Machine and Detector Advisory Committees will perform design assessments in Late Summer.

TODAY/FUTURE TIC MEETINGS

TIC meeting 

 Monday May 22, 2023, 9:00 AM → 11:10 AM US/Eastern

 Klaus Dehmelt (Stony Brook University)









Description Technical and Integration Council Meeting

Join Zoom Meeting

<https://stonybrook.zoom.us/j/96800873830?pwd=M1lyTTJFNnVRMmUxaUprWU5VNi9Ydz09>

Meeting ID: 968 0087 3830

Passcode: 915271

-
- 9:00 AM** → 9:10 AM **Communication**  10m 
Speaker: Klaus Dehmelt (Stony Brook University)
 - 9:10 AM** → 10:00 AM **Engineering Support**  50m 
Speakers: Rahul Sharma (BNL), Roland Wimmer
 - 10:00 AM** → 10:50 AM **PID DSC - Integration Status**  50m 
Speakers: Alexander Kiselev (BNL), Grzegorz Kalicy (CUA), Marco Contalbrigo (INFN Ferrara), Zhenyu Ye (University of Illinois at Chicago)
 - 10:50 AM** → 11:00 AM **AOB**  10m 
Speaker: Klaus Dehmelt (Stony Brook University)

K. Dehmelt

5/22/2023



TODAY/FUTURE TIC MEETINGS

4

- Cross-Cutting Working Groups
 - Tracking → Week 23
 - bECal → Week 24

TODAY'S AGENDA

- **Integration status of PID DSC**
 - System integration with the overall ePIC design, i.e., what is the envelope occupied, is there possibly overlap with other subsystems, is the design consolidated, ...
 - Integration of services, i.e., readout, cooling, support structure, etc?
 - Present technical design and implementation → fulfill the YR requirements?
- **Another question: what is the plan for maintenance of ePIC**
 - Open the backward-side and rotating the detector
 - Open the forward-side and sliding the barrel out