

**January 2024 ePIC  
Collaboration Meeting**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## WGs Overview

Intro of each WG, 2024 TODOs (20min x2)

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 2

Type: **not specified**

## **Task 1: calibration for prompt reconstruction**

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 3

Type: **not specified**

## Task 1 Calibration

*Wednesday, 10 January 2024 09:00 (15 minutes)*

Recap from Tracking and TOF calibration discussion at <https://indico.bnl.gov/event/21619/>, follow up discussions.

**Presenter:** DIEFENTHALER, Markus (Jefferson Lab)

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 4

Type: **not specified**

## **Task 1: Discussion**

*Wednesday, 10 January 2024 09:15 (30 minutes)*

**Presenter:** EVERYONE

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 5

Type: **not specified**

## Task 1 Discussion

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 6

Type: **not specified**

## **WG Overview: SRO Electronics & DAQ**

*Wednesday, 10 January 2024 08:00 (20 minutes)*

**Presenter:** BARBOSA, Fernando (JLab)

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 7

Type: **not specified**

## **WG Overview: SRO Computing**

*Wednesday, 10 January 2024 08:20 (20 minutes)*

**Presenter:** BATTAGLIERI, Marco (Jefferson Lab)

**Session Classification:** Streaming Comp. Model/Electronics & DAQ



Contribution ID: 8

Type: **not specified**

## **Possible Japanese contributions from the SPADI-Alliance team**

*Wednesday, 10 January 2024 08:40 (20 minutes)*

**Presenter:** GUNJI, Taku (Center for Nuclear Study, the University of Tokyo)

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 9

Type: **not specified**

## **Task 2: Data Reduction Strategy and Risk management**

5 slides for each topic + discussion

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: **10**

Type: **not specified**

## **Task 2: Data Rate and Requirement of subsystem in streaming DAQ**

*Wednesday, 10 January 2024 10:15 (15 minutes)*

**Presenter:** LANDGRAF, Jeff (Brookhaven National Laboratory)

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 11

Type: **not specified**

## Task 2 Discussion and TODO

*Wednesday, 10 January 2024 10:30 (30 minutes)*

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 12

Type: **not specified**

## **Task 2.3: dRICH + global interaction tagger**

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 13

Type: **not specified**

## **Task 3: Timing orchestra of DAQ and data, data organization**

5 slides for each topic + discussion

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 14

Type: **not specified**

## **Task 3: Timing orchestra of DAQ and data organization**

*Wednesday, 10 January 2024 11:00 (15 minutes)*

**Presenter:** Dr HUANG, Jin (Brookhaven National Lab)

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 15

Type: **not specified**

## Task 3 Discussion

*Wednesday, 10 January 2024 11:15 (30 minutes)*

**Session Classification:** Streaming Comp. Model/Electronics & DAQ



Contribution ID: **16**

Type: **not specified**

## **TODO discussion**

*Wednesday, 10 January 2024 11:45 (15 minutes)*

**Session Classification:** Streaming Comp. Model/Electronics & DAQ

Contribution ID: 17

Type: **not specified**

## Collaborative Development Environment

*Tuesday, 9 January 2024 08:00 (30 minutes)*

**Presenter:** SZUMILA-VANCE, Holly (member@jlab.org;employee@jlab.org)

**Session Classification:** Software Tutorials

Contribution ID: **18**

Type: **not specified**

## **Working with Simulation Output**

*Tuesday, 9 January 2024 08:30 (45 minutes)*

**Presenter:** PAGE, Brian (Brookhaven National Laboratory)

**Session Classification:** Software Tutorials

Contribution ID: 19

Type: **not specified**

## **Modifying Geometry, Digitization, and Anything Else**

*Tuesday, 9 January 2024 09:15 (30 minutes)*

**Presenter:** KAUDER, Kolja (Brookhaven National Laboratory)

**Session Classification:** Software Tutorials

Contribution ID: **20**

Type: **not specified**

## Reconstruction Algorithms

*Tuesday, 9 January 2024 10:15 (55 minutes)*

**Presenters:** BREI, Nathan (Jefferson Lab); KUTZ, Tyler (MIT)

**Session Classification:** Software Tutorials

Contribution ID: 21

Type: **not specified**

## Developing Benchmarks

*Tuesday, 9 January 2024 11:10 (50 minutes)*

**Presenter:** KALINKIN, Dmitrii (University of Kentucky)

**Session Classification:** Software Tutorials

Contribution ID: 22

Type: **not specified**

## Intro and Format

*Wednesday, 10 January 2024 08:00 (15 minutes)*

**Presenters:** JOOSTEN, Sylvester (Argonne National Laboratory); ZUREK, Maria (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: 26

Type: **not specified**

## **ePIC Collaboration Status**

*Friday, 12 January 2024 11:00 (30 minutes)*

**Presenters:** LAJOIE, John (Oak Ridge National Laboratory); DALLA TORRE, Silvia (INFN, Trieste)

**Session Classification:** Plenary Session



Contribution ID: 27

Type: **not specified**

## News From the Project

*Friday, 12 January 2024 11:30 (30 minutes)*

**Presenters:** ASCHENAUER, E. C. (BNL); ENT, Rolf (Jefferson Lab)

**Session Classification:** Plenary Session

Contribution ID: 28

Type: **not specified**

## Software and Computing Report

*Friday, 12 January 2024 12:00 (30 minutes)*

**Presenter:** DIEFENTHALER, Markus (Jefferson Lab)

**Session Classification:** Plenary Session

Contribution ID: 29

Type: **not specified**

## Analysis Coordinators Report

*Friday, 12 January 2024 14:30 (30 minutes)*

**Presenters:** REED, Rosi (Lehigh University); FAZIO, Salvatore (University of Calabria and INFN--Cosenza)

**Session Classification:** Plenary Session

Contribution ID: **30**

Type: **not specified**

## Technical Coordinator's Office Report

*Friday, 12 January 2024 15:00 (30 minutes)*

**Presenter:** DALLA TORRE, Silvia (INFN, Trieste)

**Session Classification:** Plenary Session

Contribution ID: 31

Type: **not specified**

## **Electronics, readout and DAQ WG report**

*Friday, 12 January 2024 15:30 (30 minutes)*

**Presenters:** BARBOSA, Fernando (JLab); LANDGRAF, Jeff (Brookhaven National Laboratory); HUANG, Jin (Brookhaven National Lab)

**Session Classification:** Plenary Session

Contribution ID: 32

Type: **not specified**

## Accelerator and IR Update

*Friday, 12 January 2024 14:00 (30 minutes)*

**Presenter:** MONTAG, Christoph (BNL)

**Session Classification:** Plenary Session

Contribution ID: 33

Type: **not specified**

## **MARCO solenoid update**

*Friday, 12 January 2024 16:30 (30 minutes)*

**Presenter:** RAJPUT-GHOSHAL, Renuka (JLab)

**Session Classification:** Plenary Session

Contribution ID: 34

Type: **not specified**

## Detector Integration

*Friday, 12 January 2024 17:00 (30 minutes)*

**Presenters:** ESLINGER, Alex (employee@jlab.org;member@jlab.org); CACACE, Dan (BNL); SHARMA, Rahul (BNL); WIMMER, Roland

**Session Classification:** Plenary Session



Contribution ID: 35

Type: **not specified**

## **Backwards HCAL DSC Report**

*Friday, 12 January 2024 17:55 (10 minutes)*

**Presenter:** KOSARZEWSKI, Leszek (Ohio State University)

**Session Classification:** Self-Proposed Contributions Part 1

Contribution ID: 36

Type: **not specified**

## SVT DSC + Tracking Workfest Report

*Saturday, 13 January 2024 09:00 (30 minutes)*

**Presenters:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); GONELLA, Laura (University of Birmingham)

**Session Classification:** Plenary Session

Contribution ID: 37

Type: **not specified**

## **Planning for the ePIC TDR Effort**

*Saturday, 13 January 2024 09:30 (1 hour)*

**Presenter:** DALLA TORRE, Silvia (INFN, Trieste)

**Session Classification:** Plenary Session

Contribution ID: **38**

Type: **not specified**

## **Planning for the ePIC TDR - Discussion**

*Saturday, 13 January 2024 11:00 (40 minutes)*

**Presenters:** LAJOIE, John (Iowa State University); DALLA TORRE, Silvia (INFN, Trieste)

**Session Classification:** Plenary Session

Contribution ID: 39

Type: **not specified**

## **AC-LGAD DSC Workfest Report**

*Saturday, 13 January 2024 11:40 (25 minutes)*

**Presenter:** JENTSCH, Alexander (Brookhaven National Laboratory)

**Session Classification:** Plenary Session

Contribution ID: 40

Type: **not specified**

## **Barrel ECal DSC Workfest Report**

*Saturday, 13 January 2024 12:05 (25 minutes)*

**Presenter:** METCALFE, Jessica (Argonne National Laboratory)

**Session Classification:** Plenary Session

Contribution ID: 41

Type: **not specified**

## **Simulation and Software Readiness for the TDR**

*Saturday, 13 January 2024 16:10 (30 minutes)*

**Presenters:** DIEFENTHALER, Markus (Jefferson Lab); JOOSTEN, Sylvester (Argonne National Laboratory); JOOSTEN, Sylvester (Argonne National Laboratory); WENAUS, Torre (BNL); DECONINCK, Wouter (University of Manitoba)

**Session Classification:** Plenary Session

Contribution ID: 42

Type: **not specified**

## Early Career Report

**Session Classification:** Plenary Session



Contribution ID: 43

Type: **not specified**

## **FFWD/FBKWD/Exclusive/Diffraction and Tagging Workfest Report**

**Session Classification:** Plenary Session

Contribution ID: 44

Type: **not specified**

## **Jets & HF Workfest Report**

**Session Classification:** Plenary Session

Contribution ID: 45

Type: **not specified**

## **PID Workfest Report**

*Saturday, 13 January 2024 14:50 (25 minutes)*

**Presenters:** POSIK, Matt (Temple University); HARTBRICH, Oskar (Oak Ridge National Lab); ULLRICH, Thomas (BNL)

**Session Classification:** Plenary Session

Contribution ID: 46

Type: **not specified**

## **Backgrounds + Tracking Workfest Report**

*Saturday, 13 January 2024 15:15 (25 minutes)*

**Presenters:** SCHMOOKLER, Barak (UC Riverside); ASCHENAUER, E. C. (BNL); KAUDER, Kolja (Brookhaven National Laboratory); LI, Shujie (Lawrence Berkeley National Laboratory)

**Session Classification:** Plenary Session

Contribution ID: 47

Type: **not specified**

## **Farewell Messages**

**Session Classification:** Plenary Session

Contribution ID: 48

Type: **not specified**

## **Introduction to Relevant Physics and Past Studies (Presentation)**

*Wednesday, 10 January 2024 08:00 (35 minutes)*

Overview of past TDR plots for exclusive/diffractive/tagging physics

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA

Contribution ID: 49

Type: **not specified**

## **Introduction to Beamline detectors (FF + FB) (Presentation)**

*Wednesday, 10 January 2024 08:35 (20 minutes)*

Overview of which detectors to use for different final states.

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA

Contribution ID: 50

Type: **not specified**

## **Review of Plots from ATHENA/ECCE/CORE (discussion/working session)**

*Wednesday, 10 January 2024 08:55 (50 minutes)*

Discussion about the past plots

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA



Contribution ID: 51

Type: **not specified**

## Coffee Break

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA

Contribution ID: 52

Type: **not specified**

## **List and description of plots needed for the TDR (discussion/working session)**

*Wednesday, 10 January 2024 10:15 (1h 45m)*

Goal is to come up with concise set of plots which show how the ePIC detectors meet the NAS requirements for the EIC.

Start to provide help for people who are looking for somewhere to get started.

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA

Contribution ID: 53

Type: **not specified**

## **Detailed Overview of Detector Implementation in DD4HEP (presentation)**

*Wednesday, 10 January 2024 13:00 (1h 15m)*

Information for practical analysis, e.g. what output branches does an analyzer access to extract their information.

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA

Contribution ID: 54

Type: **not specified**

## **Issues in simulation and tasks to solve them (working session)**

*Wednesday, 10 January 2024 14:45 (1 hour)*

Running simulations with particle gun and example of physics input.

How issues in simulations relate to measurements (e.g. beam line magnet field settings for simulation and EICrecon).

Discussion of needed tasks and assignment of people

Solving of open issues .

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA

Contribution ID: 55

Type: **not specified**

## **Conceptual Overview of Benchmarks in ePIC framework (Presentation)**

*Thursday, 11 January 2024 08:00 (30 minutes)*

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA

Contribution ID: 56

Type: **not specified**

## **Definition of needed benchmarks from list of plots for TDR (discussion)**

*Thursday, 11 January 2024 08:30 (1h 15m)*

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA

Contribution ID: 57

Type: **not specified**

## Coffee break

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA

Contribution ID: 58

Type: **not specified**

## **Prepare benchmarks in ePIC framework (Working Session)**

*Thursday, 11 January 2024 10:15 (1h 45m)*

Translation of plots from Wednesday morning to specific benchmarks  
Coding benchmarks and testing them

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA



Contribution ID: 59

Type: **not specified**

## **Discussion of open issues and path forward (discussion/working session)**

*Thursday, 11 January 2024 13:00 (1h 45m)*

Discussions on open tasks

Open mic for short presentations to generate discussion

Next steps and tracking of progress?

**Session Classification:** FFWD/FBKWD/Exclusive, Diffractive, Tagging and eA

Contribution ID: **60**

Type: **not specified**

## **AstroPix: End-of-Stave Card Specification (Intro)**

*Thursday, 11 January 2024 11:00 (15 minutes)*

**Presenter:** JOOSTEN, Sylvester (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **61**

Type: **not specified**

## **End-of-Sector Box Readout and Cooling Integration (Technical Discussion)**

*Thursday, 11 January 2024 16:15 (30 minutes)*

**Presenter:** PAPANDREOU, Zisis (University of Regina)

**Session Classification:** Barrel ECal DSC

Contribution ID: 62

Type: **not specified**

## **BIC Mechanical Design & Integration (Technical Discussion)**

*Thursday, 11 January 2024 15:45 (30 minutes)*

**Presenter:** JOOSTEN, Sylvester (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **63**

Type: **not specified**

## **Coffee and Tea Break**

**Session Classification:** Barrel ECal DSC

Contribution ID: **64**

Type: **not specified**

## **Planning and preparation to TDR**

**Session Classification:** Barrel ECal DSC

Contribution ID: 65

Type: **not specified**

## Vertexing Development Summary

*Wednesday, 10 January 2024 08:00 (25 minutes)*

**Presenter:** DONG, Xin (Lawrence Berkeley National Laboratory)

**Session Classification:** Joint Tracking/Jets&HF/SVT Session

Contribution ID: **66**

Type: **not specified**

## Physics Needs Summary

*Wednesday, 10 January 2024 08:25 (25 minutes)*

**Presenters:** PAGE, Brian (Brookhaven National Laboratory); EVDOKIMOV, Olga (UIC)

**Session Classification:** Joint Tracking/Jets&HF/SVT Session



Contribution ID: 67

Type: **not specified**

## Track Reconstruction from Displaced Vertices

*Wednesday, 10 January 2024 08:50 (25 minutes)*

**Presenter:** SCHMOOKLER, Barak (UC Riverside)

**Session Classification:** Joint Tracking/Jets&HF/SVT Session

Contribution ID: **68**

Type: **not specified**

## **Discussion and Task Identification**

*Wednesday, 10 January 2024 09:15 (30 minutes)*

**Session Classification:** Joint Tracking/Jets&HF/SVT Session

Contribution ID: 69

Type: **not specified**

## Welcome from Argonne National Lab

*Friday, 12 January 2024 10:30 (15 minutes)*

We will use Zoom for remote connections: **Zoom Link**

Contribution ID: 70

Type: **not specified**

## Welcome from Local Organizers

*Friday, 12 January 2024 10:45 (15 minutes)*

We will use Zoom for remote connections: **<b>Zoom Link</b>**

**Presenters:** ZUREK, Maria (Argonne National Laboratory); JOOSTEN, Sylvester (Argonne National Laboratory); JOOSTEN, Sylvester (Argonne National Laboratory)

Contribution ID: 71

Type: **not specified**

## Coffee Break

Contribution ID: 72

Type: **not specified**

## Conference Photo

*Friday, 12 January 2024 12:30 (10 minutes)*

**Session Classification:** Plenary Session

Contribution ID: 73

Type: **not specified**

## Early Career Report

*Friday, 12 January 2024 17:30 (25 minutes)*

**Presenters:** GIRI, Aranya (student@uh.edu); STEFANIAK, Maria (Ohio State University); SCHMIDT, Nicolas (Oak Ridge National Laboratory); SCHMIDT, Nicolas (Oak Ridge National Laboratory - (US))

**Session Classification:** Plenary Session

Contribution ID: 74

Type: **not specified**

## **FFWD/FBKWD/Exclusive/Diffraction and Tagging Workfest Report**

*Saturday, 13 January 2024 14:00 (25 minutes)*

**Presenters:** JENTSCH, Alexander (Brookhaven National Laboratory); GANGADHARAN, Dhevan (University of Houston); SANTIESTEBAN, Nathaly (UNH); ZACHARIOU, Nicholas (University of York); MONTGOMERY, Rachel; MONTGOMERY, Rachel; DUPRE, Raphael (IJCLab, CNRS, Univ. Paris-Saclay); GARDNER, Simon (University of Glasgow); TU, Zhoudunming (BNL)

**Session Classification:** Plenary Session



Contribution ID: 75

Type: **not specified**

## **Jets and HF Workfest Report**

*Saturday, 13 January 2024 14:25 (25 minutes)*

**Presenters:** SCHMOOKLER, Barak (UC Riverside); PAGE, Brian (Brookhaven National Laboratory); SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); GONELLA, Laura (University of Birmingham); POSIK, Matt (Temple University); EVDOKIMOV, Olga (UIC); LI, Shujie (Lawrence Berkeley National Laboratory)

**Session Classification:** Plenary Session

Contribution ID: 76

Type: **not specified**

## **Simulation and Software Readiness for the TDR - Discussion**

*Saturday, 13 January 2024 16:40 (1 hour)*

**Presenters:** DIEFENTHALER, Markus (Jefferson Lab); JOOSTEN, Sylvester (Argonne National Laboratory); JOOSTEN, Sylvester (Argonne National Laboratory); WENAUS, Torre (BNL); DECONINCK, Wouter (University of Manitoba)

**Session Classification:** Plenary Session

Contribution ID: 77

Type: **not specified**

## Farewell Messages

*Saturday, 13 January 2024 18:10 (10 minutes)*

We will use Zoom for remote connections: **Zoom Link**

**Presenters:** LAJOIE, John (Iowa State University); DALLA TORRE, Silvia (INFN, Trieste)

Contribution ID: 78

Type: **not specified**

## Introduction from the Korean groups

*Wednesday, 10 January 2024 08:15 (15 minutes)*

**Presenter:** LIM, Sanghoon (Pusan National University)

**Session Classification:** Barrel ECal DSC

Contribution ID: 79

Type: **not specified**

## **AstroPix v3 Summary**

*Wednesday, 10 January 2024 08:30 (10 minutes)*

**Presenter:** JADHAV, Manoj Bhanudas (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **80**

Type: **not specified**

## **AstroPix v4 Summary**

*Wednesday, 10 January 2024 08:45 (10 minutes)*

**Presenter:** STRIEBIG, Nicolas (member@kit.edu;employee@kit.edu)

**Session Classification:** Barrel ECal DSC

Contribution ID: **81**

Type: **not specified**

## **AstroPix: Data Transmission Signal Type (Intro)**

*Wednesday, 10 January 2024 09:00 (15 minutes)*

**Presenters:** PERIC, Ivan (Heidelberg); METCALFE, Jessica (Argonne National Laboratory); STRIEBIG, Nicolas (member@kit.edu;employee@kit.edu)

**Session Classification:** Barrel ECal DSC

Contribution ID: **82**

Type: **not specified**

## **AstroPix: Power Regulation (Intro)**

*Wednesday, 10 January 2024 09:15 (15 minutes)*

**Presenters:** PERIC, Ivan (Heidelberg); METCALFE, Jessica (Argonne National Laboratory); STRIEBIG, Nicolas (member@kit.edu;employee@kit.edu)

**Session Classification:** Barrel ECal DSC



Contribution ID: 83

Type: **not specified**

## **AstroPix: Dynamic Range - Design and Requirements (Intro)**

*Wednesday, 10 January 2024 09:30 (15 minutes)*

**Presenters:** ZUREK, Maria (Argonne National Laboratory); PERIC, Ivan (Heidelberg); STRIEBIG, Nicolas (member@kit.edu;employee@kit.edu); JOOSTEN, Sylvester (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **84**

Type: **not specified**

## **AstroPix: Data Transmission Signal Type (Technical Discussion)**

*Thursday, 11 January 2024 08:35 (30 minutes)*

**Presenters:** WELCH, Steven (Oklahoma State University); FADEYEV, Vitaliy (SCIPP, UCSC)

**Session Classification:** Barrel ECal DSC

Contribution ID: 85

Type: **not specified**

## **AstroPix: Power Regulation (Technical Discussion)**

*Thursday, 11 January 2024 09:10 (30 minutes)*

**Presenter:** WELCH, Steven (Oklahoma State University)

**Session Classification:** Barrel ECal DSC

Contribution ID: 86

Type: **not specified**

## **AstroPix: Requirements and Design (Technical Discussion)**

*Thursday, 11 January 2024 08:00 (30 minutes)*

**Presenter:** METCALFE, Jessica (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: 87

Type: **not specified**

## **BIC Mechanical Design (Intro)**

*Thursday, 11 January 2024 15:15 (15 minutes)*

**Presenters:** BAILEY, Kevin (Argonne National Laboratory); O'CONNOR, Thomas (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **88**

Type: **not specified**

## **BIC Mechanical Integration (Intro)**

*Thursday, 11 January 2024 15:30 (15 minutes)*

**Presenter:** CACACE, Dan (BNL)

**Session Classification:** Barrel ECal DSC

Contribution ID: **89**

Type: **not specified**

## **Pb/SciFi: SiPM Choice (Intro)**

*Thursday, 11 January 2024 13:15 (15 minutes)*

**Presenters:** KLEST, Henry (Stony Brook University); ZUREK, Maria (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **90**

Type: **not specified**

## **Pb/SciFi: SiPM Choice (Technical Discussion)**

*Thursday, 11 January 2024 13:30 (30 minutes)*

**Presenter:** PAPANDREOU, Zisis (University of Regina)

**Session Classification:** Barrel ECal DSC



Contribution ID: **91**

Type: **not specified**

## **Pb/SciFi: SciFi Choice (Intro)**

*Thursday, 11 January 2024 14:00 (15 minutes)*

**Presenter:** ZUREK, Maria (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: 92

Type: **not specified**

## **Pb/SciFi: SciFi Choice (Technical Discussion)**

*Thursday, 11 January 2024 14:15 (30 minutes)*

**Presenter:** PAPANDREOU, Zisis (University of Regina)

**Session Classification:** Barrel ECal DSC

Contribution ID: 93

Type: **not specified**

## **Pb/SciFi: SiPM Readout Choice (Intro)**

*Thursday, 11 January 2024 10:15 (15 minutes)*

**Presenter:** KLEST, Henry (Stony Brook University)

**Session Classification:** Barrel ECal DSC

Contribution ID: 94

Type: **not specified**

## **Pb/SciFi: SiPM Readout Choice (Technical Discussion)**

*Thursday, 11 January 2024 10:30 (30 minutes)*

**Presenter:** NOVITZKY, Norbert (ORNL)

**Session Classification:** Barrel ECal DSC

Contribution ID: 95

Type: **not specified**

## **Integration of End-of-Stave Card with ePIC DAQ: Expectations for FLX**

*Thursday, 11 January 2024 11:15 (15 minutes)*

**Presenter:** LANDGRAF, Jeff (Brookhaven National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: 96

Type: **not specified**

## **AstroPix: End-of-stave card specification (Technical Discussion)**

*Thursday, 11 January 2024 11:30 (30 minutes)*

Goal: 80% specification

**Presenter:** CAPUTO, Regina (NASA GSFC)

**Session Classification:** Barrel ECal DSC

Contribution ID: 97

Type: **not specified**

## **AstroPix: Status of Multichip Board**

*Wednesday, 10 January 2024 11:45 (10 minutes)*

**Presenter:** SHIN, Taylor (UCSC / Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **98**

Type: **not specified**

## **EIC R&D: FY24 Progress and Plans**

*Wednesday, 10 January 2024 13:00 (10 minutes)*

**Presenter:** KLEST, Henry (Stony Brook University)

**Session Classification:** Barrel ECal DSC



Contribution ID: 99

Type: **not specified**

## **AstroPix: Fabrication Vendor**

*Wednesday, 10 January 2024 10:15 (30 minutes)*

**Presenter:** CAPUTO, Regina (NASA GSFC)

**Session Classification:** Barrel ECal DSC

Contribution ID: **100**

Type: **not specified**

## **AstroPix: (Pre-)Production Model**

*Wednesday, 10 January 2024 10:45 (30 minutes)*

**Presenter:** METCALFE, Jessica (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **101**

Type: **not specified**

## **Pb/ScFi: (Pre-)Production Model**

*Wednesday, 10 January 2024 11:15 (30 minutes)*

**Presenter:** JOOSTEN, Sylvester (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **102**

Type: **not specified**

## Planning: PED and TDR Schedule

*Wednesday, 10 January 2024 13:30 (45 minutes)*

- High-level Planning
- Milestones
- Resources

**Presenters:** METCALFE, Jessica (Argonne National Laboratory); ZUREK, Maria (Argonne National Laboratory); JOOSTEN, Sylvester (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **103**

Type: **not specified**

## **Planning: PED and TDR Schedule**

*Wednesday, 10 January 2024 14:45 (1 hour)*

- High-level Planning
- Milestones
- Resources

**Presenters:** METCALFE, Jessica (Argonne National Laboratory); ZUREK, Maria (Argonne National Laboratory); JOOSTEN, Sylvester (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **105**

Type: **not specified**

## **Planning: Beyond EIC R&D: The BIC Baby Article**

*Wednesday, 10 January 2024 13:10 (20 minutes)*

AstroPix Module + Pb/SciFi Integration beyond EIC R&D

**Presenters:** JADHAV, Manoj Bhanudas (Argonne National Laboratory); ZUREK, Maria (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **106**

Type: **not specified**

## **BIC: Next Meeting Planning**

*Thursday, 11 January 2024 16:45 (15 minutes)*

**Session Classification:** Barrel ECal DSC

Contribution ID: **107**

Type: **not specified**

## **Pb/SciFi: SciFi measurements and beam tests**

*Thursday, 11 January 2024 13:00 (10 minutes)*

**Presenter:** PAPANDREOU, Zisis (University of Regina)

**Session Classification:** Barrel ECal DSC



Contribution ID: **108**

Type: **not specified**

## **BIC: Technical Discussion Intro**

**Presenter:** JOOSTEN, Sylvester (Argonne National Laboratory)

**Session Classification:** Barrel ECal DSC

Contribution ID: **110**

Type: **not specified**

## **ePIC LFHCal R&D Efforts at Yale**

*Friday, 12 January 2024 18:05 (10 minutes)*

**Presenter:** FLOR, Fernando (Yale University)

**Session Classification:** Self-Proposed Contributions Part 1

Contribution ID: **111**

Type: **not specified**

## Session Introduction

*Wednesday, 10 January 2024 10:15 (5 minutes)*

**Presenters:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); POSIK, Matt (Temple University)

**Session Classification:** Tracking

Contribution ID: **112**

Type: **not specified**

## **SVT Subsystem**

*Wednesday, 10 January 2024 10:20 (20 minutes)*

**Presenter:** LI, Shujie (Lawrence Berkeley National Laboratory)

**Session Classification:** Tracking

Contribution ID: **113**

Type: **not specified**

## **MPGD Subsystem**

*Wednesday, 10 January 2024 10:40 (20 minutes)*

**Presenter:** POSIK, Matt (Temple University)

**Session Classification:** Tracking

Contribution ID: **114**

Type: **not specified**

## **AC-LGAD ToF Subsystem**

*Wednesday, 10 January 2024 11:00 (20 minutes)*

**Presenter:** YANO, Satoshi

**Session Classification:** Tracking

Contribution ID: 115

Type: **not specified**

## TDR Preparation Discussion

*Wednesday, 10 January 2024 11:20 (40 minutes)*

**Presenters:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); POSIK, Matt (Temple University)

**Session Classification:** Tracking

Contribution ID: **116**

Type: **not specified**

## **BIC Subsystem**

*Wednesday, 10 January 2024 13:00 (20 minutes)*

**Presenters:** JOOSTEN, Sylvester (Argonne National Laboratory); DECONINCK, Wouter (University of Manitoba)

**Session Classification:** Tracking



Contribution ID: 117

Type: **not specified**

## Using DD4HEP Geometry in ACTS

*Wednesday, 10 January 2024 13:20 (20 minutes)*

**Presenters:** RAHMAN, Sakib (University of Manitoba); RAHMAN, Sakib (affiliate@jlab.org;member@jlab.org)

**Session Classification:** Tracking

Contribution ID: **118**

Type: **not specified**

## Workfest

*Wednesday, 10 January 2024 13:40 (35 minutes)*

**Presenters:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); POSIK, Matt (Temple University); LI, Shujie (Lawrence Berkeley National Laboratory)

**Session Classification:** Tracking

Contribution ID: **119**

Type: **not specified**

## **Workfest Summary**

*Wednesday, 10 January 2024 15:35 (10 minutes)*

**Presenters:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); POSIK, Matt (Temple University)

**Session Classification:** Tracking

Contribution ID: 120

Type: **not specified**

## Welcome and introduction

*Tuesday, 9 January 2024 08:00 (5 minutes)*

**Presenters:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); GONELLA, Laura (University of Birmingham)

**Session Classification:** SVT DSC

Contribution ID: 121

Type: **not specified**

## **Radiation and rate environment**

*Tuesday, 9 January 2024 08:05 (20 minutes)*

**Presenter:** GONELLA, Laura (University of Birmingham)

**Session Classification:** SVT DSC

Contribution ID: 122

Type: **not specified**

## **MOSAIX and EIC LAS (remote)**

*Tuesday, 9 January 2024 08:25 (30 minutes)*

**Presenter:** SEDGWICK, Iain (UKRI-STFC)

**Session Classification:** SVT DSC

Contribution ID: 123

Type: **not specified**

## **EIC-LAS ancillary / support IC**

*Tuesday, 9 January 2024 08:55 (30 minutes)*

**Presenter:** DEPTUCH, Grzegorz (BNL)

**Session Classification:** SVT DSC

Contribution ID: 124

Type: **not specified**

## **Discussion on sensor and IC**

*Tuesday, 9 January 2024 09:25 (20 minutes)*

**Session Classification:** SVT DSC



Contribution ID: 125

Type: **not specified**

## **Readout of the ePIC SVT (remote)**

*Tuesday, 9 January 2024 10:15 (40 minutes)*

**Presenter:** SCHAMBACH, Joachim (Oak Ridge National Laboratory)

**Session Classification:** SVT DSC

Contribution ID: 126

Type: **not specified**

## **Discussion on readout of the ePIC SVT**

*Tuesday, 9 January 2024 10:55 (15 minutes)*

**Session Classification:** SVT DSC

Contribution ID: 127

Type: **not specified**

## **Basics of serial powering and S-LDO**

*Tuesday, 9 January 2024 11:10 (15 minutes)*

**Presenter:** GONELLA, Laura (University of Birmingham)

**Session Classification:** SVT DSC

Contribution ID: 128

Type: **not specified**

## **Serial powering for the ePIC SVT**

*Tuesday, 9 January 2024 11:25 (20 minutes)*

**Presenter:** GLOVER, James Julian (University of Birmingham (UK))

**Session Classification:** SVT DSC

Contribution ID: 129

Type: **not specified**

## **Discussion on serial powering for the ePIC SVT**

*Tuesday, 9 January 2024 11:45 (15 minutes)*

**Session Classification:** SVT DSC

Contribution ID: 130

Type: **not specified**

## **Characterization of the SVT sensors and ancillary IC**

*Wednesday, 10 January 2024 10:15 (30 minutes)*

**Presenter:** TOMASEK, Lukas (employee@cvut.cz;member@cvut.cz;staff@cvut.cz)

**Session Classification:** SVT DSC

Contribution ID: 131

Type: **not specified**

## **Discussion on characterization for the SVT**

*Wednesday, 10 January 2024 10:45 (20 minutes)*

**Session Classification:** SVT DSC

Contribution ID: **132**

Type: **not specified**

## **Inventory of SVT power dissipation**

*Wednesday, 10 January 2024 11:05 (5 minutes)*

**Session Classification:** SVT DSC



Contribution ID: 133

Type: **not specified**

## **Cooling of SVT layers and disks**

*Wednesday, 10 January 2024 11:10 (30 minutes)*

**Presenter:** APADULA, Nicole

**Session Classification:** SVT DSC

Contribution ID: 134

Type: **not specified**

## **Discussion on SVT cooling**

*Wednesday, 10 January 2024 11:40 (20 minutes)*

**Session Classification:** SVT DSC

Contribution ID: 135

Type: **not specified**

## Consideration on SVT FPC design

*Thursday, 11 January 2024 08:00 (30 minutes)*

**Presenter:** BORRI, Marcello (staff@stfc.ac.uk)

**Session Classification:** SVT DSC

Contribution ID: 136

Type: **not specified**

## Discussion on FPC

*Thursday, 11 January 2024 08:30 (20 minutes)*

**Session Classification:** SVT DSC

Contribution ID: 137

Type: **not specified**

## **Envelopes and constraints: knowns**

*Thursday, 11 January 2024 08:50 (5 minutes)*

**Session Classification:** SVT DSC

Contribution ID: **138**

Type: **not specified**

## **Global supports for the SVT**

*Thursday, 11 January 2024 08:55 (30 minutes)*

**Presenter:** JUNG, Andreas Werner (member@cern.ch)

**Session Classification:** SVT DSC

Contribution ID: **139**

Type: **not specified**

## **Discussion on global supports**

*Thursday, 11 January 2024 09:25 (20 minutes)*

**Session Classification:** SVT DSC

Contribution ID: **140**

Type: **not specified**

## **SVT layers and disks**

*Thursday, 11 January 2024 10:15 (30 minutes)*

**Presenter:** VIEHHAUSER, Georg (member@ox.ac.uk;staff@ox.ac.uk)

**Session Classification:** SVT DSC



Contribution ID: 141

Type: **not specified**

## **Discussion on SVT local mechanics**

*Thursday, 11 January 2024 10:45 (20 minutes)*

**Session Classification:** SVT DSC

Contribution ID: **142**

Type: **not specified**

## **Inventory of services**

*Thursday, 11 January 2024 11:05 (15 minutes)*

**Session Classification:** SVT DSC

Contribution ID: 143

Type: **not specified**

## **Discussion and brainstorming**

*Thursday, 11 January 2024 11:20 (20 minutes)*

**Session Classification:** SVT DSC

Contribution ID: 144

Type: **not specified**

## Next steps towards TDR and division of labor

*Thursday, 11 January 2024 11:40 (20 minutes)*

**Presenters:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); GONELLA, Laura (University of Birmingham)

**Session Classification:** SVT DSC

Contribution ID: 145

Type: **not specified**

## **Experience with LGAD sensor development for CMS ETL (20'+5')**

*Tuesday, 9 January 2024 10:15 (25 minutes)*

**Presenter:** MADRID, Christopher

**Session Classification:** AC-LGAD

Contribution ID: 146

Type: **not specified**

## **AC-LGAD sensor production at BNL (10'+5')**

*Tuesday, 9 January 2024 10:40 (15 minutes)*

**Presenter:** GIACOMINI, Gabriele (BNL)

**Session Classification:** AC-LGAD

Contribution ID: 147

Type: **not specified**

## **AC-LGAD sensor lab test (10'+5')**

*Tuesday, 9 January 2024 10:55 (15 minutes)*

**Presenter:** OTT, Jennifer (University of California, Santa Cruz (US))

**Session Classification:** AC-LGAD

Contribution ID: 148

Type: **not specified**

## **AC-LGAD sensor beam test (10'+5')**

*Tuesday, 9 January 2024 11:10 (15 minutes)*

**Presenter:** NANDA, Shirsendu (University of Illinois at Chicago (US))

**Session Classification:** AC-LGAD



Contribution ID: 149

Type: **not specified**

## **AC-LGAD sensor irradiation test (10'+5')**

*Tuesday, 9 January 2024 11:25 (15 minutes)*

**Presenter:** MAZZA, Simone (University of California - Santa Cruz)

**Session Classification:** AC-LGAD

Contribution ID: **150**

Type: **not specified**

## **Discussion**

*Tuesday, 9 January 2024 11:40 (20 minutes)*

**Session Classification:** AC-LGAD

Contribution ID: 151

Type: **not specified**

## **BTOF Module assembly procedure and requirements**

*Wednesday, 10 January 2024 13:00 (25 minutes)*

**Presenter:** GIGNAC, Matthew (UC Santa Cruz)

**Session Classification:** AC-LGAD

Contribution ID: 152

Type: **not specified**

## **FTOF Module assembly procedure and requirements**

*Wednesday, 10 January 2024 13:25 (25 minutes)*

**Presenter:** BENOIT, Mathieu

**Session Classification:** AC-LGAD

Contribution ID: **153**

Type: **not specified**

## **Discussion**

*Wednesday, 10 January 2024 13:50 (25 minutes)*

**Session Classification:** AC-LGAD

Contribution ID: 154

Type: **not specified**

## **Introduction (10')**

*Tuesday, 9 January 2024 08:00 (10 minutes)*

**Presenter:** YE, Zhenyu (Lawrence Berkeley National Laboratory/University of Illinois at Chicago)

**Session Classification:** AC-LGAD

Contribution ID: 155

Type: **not specified**

## **Barrel TOF (12'+3')**

*Tuesday, 9 January 2024 08:10 (15 minutes)*

**Presenter:** YANO, Satoshi

**Session Classification:** AC-LGAD

Contribution ID: 156

Type: **not specified**

## **Forward TOF (12'+3')**

*Tuesday, 9 January 2024 08:25 (15 minutes)*

**Presenter:** LI, Wei (Rice University)

**Session Classification:** AC-LGAD



Contribution ID: 157

Type: **not specified**

## **Far-forward AC-LGAD Detectors (20'+5')**

*Tuesday, 9 January 2024 08:40 (25 minutes)*

**Presenter:** JENTSCH, Alexander (Brookhaven National Laboratory)

**Session Classification:** AC-LGAD

Contribution ID: 158

Type: **not specified**

## **B0 tracker and Off-momentum Detector (12'+3')**

**Presenter:** JENTSCH, Alexander (Brookhaven National Laboratory)

**Session Classification:** AC-LGAD

Contribution ID: 159

Type: **not specified**

## **Luminosity tracker (12'+3')**

*Tuesday, 9 January 2024 09:05 (15 minutes)*

**Presenter:** GANGADHARAN, Dhevan (University of Houston)

**Session Classification:** AC-LGAD

Contribution ID: **160**

Type: **not specified**

## **Discussion (20')**

*Tuesday, 9 January 2024 09:20 (20 minutes)*

**Session Classification:** AC-LGAD

Contribution ID: **161**

Type: **not specified**

## **Introduction and charge**

*Tuesday, 9 January 2024 13:00 (15 minutes)*

**Session Classification:** Software & Sim TDR Readiness

Contribution ID: **162**

Type: **not specified**

## Discussion Groups

*Tuesday, 9 January 2024 13:30 (1h 15m)*

**Session Classification:** Software & Sim TDR Readiness

Contribution ID: **163**

Type: **not specified**

## **Parallel II - Reconstruction**

**Session Classification:** Software & Sim TDR Readiness

Contribution ID: **164**

Type: **not specified**

## **Parallel III - Validation**

**Session Classification:** Software & Sim TDR Readiness



Contribution ID: **165**

Type: **not specified**

## **Results from Discussion Sessions**

*Tuesday, 9 January 2024 15:15 (1 hour)*

**Session Classification:** Software & Sim TDR Readiness

Contribution ID: **166**

Type: **not specified**

## **Reconstruction Readiness**

**Session Classification:** Software & Sim TDR Readiness

Contribution ID: **167**

Type: **not specified**

## **Validation Readiness**

**Session Classification:** Software & Sim TDR Readiness

Contribution ID: **168**

Type: **not specified**

## **TDR Readiness Discussion**

*Tuesday, 9 January 2024 16:15 (45 minutes)*

**Session Classification:** Software & Sim TDR Readiness

Contribution ID: **169**

Type: **not specified**

## **dRICH - plan and status of reconstruction**

*Thursday, 11 January 2024 13:00 (25 minutes)*

**Presenter:** CHATTERJEE, Chandradoy (INFN Trieste (IT))

**Session Classification:** Common PID Simulations

Contribution ID: 170

Type: **not specified**

## **pfRICH - plan and status of reconstruction**

*Thursday, 11 January 2024 14:05 (25 minutes)*

**Presenter:** KISELEV, Alexander (BNL)

**Session Classification:** Common PID Simulations

Contribution ID: 171

Type: **not specified**

## **hpDIRC - plan and status of reconstruction**

*Thursday, 11 January 2024 13:25 (15 minutes)*

**Presenter:** KALICY, Grzegorz (CUA)

**Session Classification:** Common PID Simulations

Contribution ID: 172

Type: **not specified**

## **hpDIRC performance with particle backgrounds**

*Thursday, 11 January 2024 13:40 (25 minutes)*

**Presenters:** LLOPE, W.J. (Wayne State University); LLOPE, William (Wayne State University)

**Session Classification:** Common PID Simulations



Contribution ID: 173

Type: **not specified**

## **TOF - plan and status of reconstruction**

**Presenter:** HARTBRICH, Oskar (Oak Ridge National Lab)

**Session Classification:** Common PID Simulations

Contribution ID: 174

Type: **not specified**

## **TOF - plan and status of reconstruction**

*Thursday, 11 January 2024 15:15 (25 minutes)*

**Presenter:** HARTBRICH, Oskar (Oak Ridge National Lab)

**Session Classification:** Common PID Simulations

Contribution ID: 175

Type: **not specified**

## Open discussion/Brainstorming

*Thursday, 11 January 2024 15:40 (1h 20m)*

What common PID software should include and accomplish - draft a plan, timeline, and workforce.

**Session Classification:** Common PID Simulations

Contribution ID: 176

Type: **not specified**

## **ML-based SIDIS Kinematic Reconstruction**

*Friday, 12 January 2024 18:15 (10 minutes)*

**Presenters:** PECAR, Connor (Duke University); PECAR, Connor (Duke University)

**Session Classification:** Self-Proposed Contributions Part 1

Contribution ID: 177

Type: **not specified**

## **Experience with ASIC Development for CMS ETL (20+5')**

*Tuesday, 9 January 2024 13:00 (25 minutes)*

**Presenter:** Dr LIU, Ted (Fermi National Accelerator Laboratory )

**Session Classification:** AC-LGAD

Contribution ID: 178

Type: **not specified**

## **EICROC (17+3')**

*Tuesday, 9 January 2024 13:25 (20 minutes)*

**Presenter:** DE LA TAILLE, Christophe (OMEGA CNRS/IN2P3-Ecole Polytechnique (FR))

**Session Classification:** AC-LGAD

Contribution ID: 179

Type: **not specified**

## **FCFD (17+3')**

*Tuesday, 9 January 2024 13:45 (20 minutes)*

**Presenters:** APRESYAN, Artur (Fermilab); APRESYAN, Artur (Fermilab)

**Session Classification:** AC-LGAD

Contribution ID: **180**

Type: **not specified**

## **Sensor-ASIC Interconnection (17+3')**

*Tuesday, 9 January 2024 14:05 (20 minutes)*

**Presenter:** BENOIT, Mathieu

**Session Classification:** AC-LGAD



Contribution ID: **181**

Type: **not specified**

## **Discussion**

*Tuesday, 9 January 2024 14:25 (20 minutes)*

**Session Classification:** AC-LGAD

Contribution ID: **182**

Type: **not specified**

## **Introduction (15+5')**

*Tuesday, 9 January 2024 15:15 (20 minutes)*

**Presenter:** LJUBICIC, Tonko (BNL)

**Session Classification:** AC-LGAD

Contribution ID: **183**

Type: **not specified**

## **Low-mass Kapton PCB (17+3')**

*Tuesday, 9 January 2024 15:35 (20 minutes)*

**Presenter:** HARTBRICH, Oskar (Oak Ridge National Lab)

**Session Classification:** AC-LGAD

Contribution ID: **184**

Type: **not specified**

## **Service Hybrid (17+3')**

*Tuesday, 9 January 2024 15:55 (20 minutes)*

**Presenter:** LI, Wei (Rice University)

**Session Classification:** AC-LGAD

Contribution ID: **185**

Type: **not specified**

## **Backend electronics (17+3')**

*Tuesday, 9 January 2024 16:15 (20 minutes)*

**Presenter:** XU, Zhangbu (BNL)

**Session Classification:** AC-LGAD

Contribution ID: **186**

Type: **not specified**

## **Discussion (25')**

*Tuesday, 9 January 2024 16:35 (25 minutes)*

**Session Classification:** AC-LGAD

Contribution ID: **187**

Type: **not specified**

## Workfest

*Wednesday, 10 January 2024 14:45 (50 minutes)*

**Presenters:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); POSIK, Matt (Temple University)

**Session Classification:** Tracking

Contribution ID: **188**

Type: **not specified**

## **Impact of current tracking estimates on DIRC performance.**

*Thursday, 11 January 2024 08:00 (20 minutes)*

**Presenter:** DZHYGADLO, Roman (GSI)

**Session Classification:** Joint Common PID Sim/Tracking Session



Contribution ID: **189**

Type: **not specified**

## **Current status of angular resolutions at PID detectors**

*Thursday, 11 January 2024 10:15 (20 minutes)*

**Presenter:** POSIK, Matt (Temple University)

**Session Classification:** Joint Common PID Sim/Tracking Session

Contribution ID: **190**

Type: **not specified**

## **Discussion on other potential methods**

*Thursday, 11 January 2024 10:35 (20 minutes)*

**Presenter:** POSIK, Matt (Temple University)

**Session Classification:** Joint Common PID Sim/Tracking Session

Contribution ID: **191**

Type: **not specified**

## **Using Fast simulation to understand angular resolutions**

*Thursday, 11 January 2024 10:55 (20 minutes)*

**Presenter:** KUMAR, Shyam (University and INFN Bari)

**Session Classification:** Joint Common PID Sim/Tracking Session

Contribution ID: 192

Type: **not specified**

## **Simulated track length, which is needed by ToF for PID**

*Thursday, 11 January 2024 11:15 (20 minutes)*

**Presenter:** LI, Shujie (Lawrence Berkeley National Laboratory)

**Session Classification:** Joint Common PID Sim/Tracking Session

Contribution ID: **193**

Type: **not specified**

## Discussion

*Thursday, 11 January 2024 11:35 (25 minutes)*

**Session Classification:** Joint Common PID Sim/Tracking Session

Contribution ID: **194**

Type: **not specified**

## **Tracking performance study, primaries/PID**

*Wednesday, 10 January 2024 10:15 (15 minutes)*

**Session Classification:** Jets & HF

Contribution ID: **195**

Type: **not specified**

## **Tracking performance study, displaced**

*Wednesday, 10 January 2024 10:30 (15 minutes)*

**Session Classification:** Jets & HF

Contribution ID: **196**

Type: **not specified**

## **Primary/secondary identification discussion/work**

*Wednesday, 10 January 2024 10:45 (1h 15m)*

**Session Classification:** Jets & HF



Contribution ID: **197**

Type: **not specified**

## Previous HF Benchmarks

*Wednesday, 10 January 2024 13:00 (30 minutes)*

**Presenter:** LI, Xuan (Los Alamos National Laboratory)

**Session Classification:** Jets & HF

Contribution ID: **198**

Type: **not specified**

## **HF from EICrecon**

*Wednesday, 10 January 2024 13:30 (15 minutes)*

**Session Classification:** Jets & HF

Contribution ID: **199**

Type: **not specified**

## **Benchmark discussion/tasks identification**

*Wednesday, 10 January 2024 13:45 (30 minutes)*

**Session Classification:** Jets & HF

Contribution ID: **200**

Type: **not specified**

## **Work session on HF reconstruction/developments**

*Wednesday, 10 January 2024 14:45 (1 hour)*

**Session Classification:** Jets & HF

Contribution ID: **201**

Type: **not specified**

## **Jet Benchmark Status**

*Thursday, 11 January 2024 08:00 (30 minutes)*

**Presenter:** PAGE, Brian (Brookhaven National Laboratory)

**Session Classification:** Jets & HF

Contribution ID: **202**

Type: **not specified**

## Particle Flow Summary

*Thursday, 11 January 2024 08:30 (30 minutes)*

**Presenter:** ANDERSON, Derek (Iowa State University)

**Session Classification:** Jets & HF

Contribution ID: **203**

Type: **not specified**

## **Backward HCal Status**

*Thursday, 11 January 2024 09:00 (30 minutes)*

**Presenter:** KOSARZEWSKI, Leszek (Ohio State University)

**Session Classification:** Jets & HF

Contribution ID: **204**

Type: **not specified**

## **Discussion**

*Thursday, 11 January 2024 09:30 (15 minutes)*

**Session Classification:** Jets & HF



Contribution ID: 205

Type: **not specified**

## **Task Identification and Working Session**

*Thursday, 11 January 2024 10:15 (1h 45m)*

**Session Classification:** Jets & HF

Contribution ID: **206**

Type: **not specified**

## **Working Session**

*Thursday, 11 January 2024 13:00 (1h 45m)*

**Session Classification:** Jets & HF

Contribution ID: **207**

Type: **not specified**

## **Working Session**

*Thursday, 11 January 2024 15:15 (1h 45m)*

**Session Classification:** Jets & HF

Contribution ID: **208**

Type: **not specified**

## **Status of PID/tracking requirements**

*Thursday, 11 January 2024 08:20 (10 minutes)*

**Presenter:** ULLRICH, Thomas (BNL)

**Session Classification:** Joint Common PID Sim/Tracking Session

Contribution ID: **209**

Type: **not specified**

## **pfRICH angular resolution requirements**

*Thursday, 11 January 2024 08:30 (15 minutes)*

**Presenter:** KISELEV, Alexander (BNL)

**Session Classification:** Joint Common PID Sim/Tracking Session

Contribution ID: **210**

Type: **not specified**

## **dRICH angular resolution requirements**

*Thursday, 11 January 2024 08:45 (15 minutes)*

**Presenter:** CONTALBRIGO, Marco (INFN Ferrara)

**Session Classification:** Joint Common PID Sim/Tracking Session

Contribution ID: 211

Type: **not specified**

## hpDIRC angular resolution requirements

*Thursday, 11 January 2024 09:00 (15 minutes)*

**Presenter:** DZHYGADLO, Roman (GSI)

**Session Classification:** Joint Common PID Sim/Tracking Session

Contribution ID: 212

Type: **not specified**

## ToF angular resolution requirements

*Thursday, 11 January 2024 09:15 (15 minutes)*

**Presenter:** NANDA, Shirendu (University of Illinois at Chicago (US))

**Session Classification:** Joint Common PID Sim/Tracking Session



Contribution ID: 213

Type: **not specified**

## **Admixed Background Effects on Tracking Reconstruction**

*Thursday, 11 January 2024 13:30 (50 minutes)*

**Presenter:** STERWERF, Benjamen (UC Berkeley)

**Session Classification:** Joint Backgrounds + Tracking

Contribution ID: 214

Type: **not specified**

## **Realistic tracking study and EICrecon development**

*Thursday, 11 January 2024 15:15 (45 minutes)*

**Presenters:** KIM, Minjung (Other@lbl.gov;Guest@lbl.gov); KIM, Minjung (UC Berkeley)

**Session Classification:** Joint Backgrounds + Tracking

Contribution ID: 215

Type: **not specified**

## **Workfest: data structure and algorithms**

*Thursday, 11 January 2024 16:40 (15 minutes)*

**Presenter:** LI, Shujie (Lawrence Berkeley National Laboratory)

**Session Classification:** Joint Backgrounds + Tracking

Contribution ID: 216

Type: **not specified**

## **Workfest: digitization and threshold**

*Thursday, 11 January 2024 16:00 (40 minutes)*

**Presenter:** KAUDER, Kolja (Brookhaven National Laboratory)

**Session Classification:** Joint Backgrounds + Tracking

Contribution ID: 217

Type: **not specified**

## **Workfest: realistic tracking with background**

*Thursday, 11 January 2024 14:20 (25 minutes)*

**Presenter:** SCHMOOKLER, Barak (UC Riverside)

**Session Classification:** Joint Backgrounds + Tracking

Contribution ID: **218**

Type: **not specified**

## **Background study overview**

*Thursday, 11 January 2024 13:00 (30 minutes)*

**Presenter:** ASCHENAUER, E. C. (BNL)

**Session Classification:** Joint Backgrounds + Tracking

Contribution ID: **219**

Type: **not specified**

## **Welcome, Agenda, and Minutes from previous meeting**

*Friday, 12 January 2024 08:00 (5 minutes)*

**Presenters:** SURROW, Bernd (Temple University); SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory)

**Session Classification:** Collaboration Council

Contribution ID: 220

Type: **not specified**

## **Institutional membership and presentations by institutional representatives**

*Friday, 12 January 2024 08:05 (40 minutes)*

**Session Classification:** Collaboration Council



Contribution ID: 221

Type: **not specified**

## **Collaboration Council Committees: updates and policy development**

*Friday, 12 January 2024 08:45 (1 hour)*

**Session Classification:** Collaboration Council

Contribution ID: 222

Type: **not specified**

## **Closed session**

*Friday, 12 January 2024 09:45 (10 minutes)*

**Session Classification:** Collaboration Council

Contribution ID: 223

Type: **not specified**

## **Next Collaboration Council Meeting and AOB**

*Friday, 12 January 2024 09:55 (5 minutes)*

**Session Classification:** Collaboration Council

Contribution ID: 224

Type: **not specified**

## **Intro from LOC: Safety, Code of Conduct Reporting, Practical Info**

*Tuesday, 9 January 2024 07:59 (1 minute)*

Simultaneous presentations at the start of all three parallel sessions.

**Presenters:** ZUREK, Maria (Argonne National Laboratory); REIMER, Paul E (Argonne National Laboratory); JOOSTEN, Sylvester (Argonne National Laboratory)

Contribution ID: 225

Type: **not specified**

## Status of barrel TOF plank / support design

*Wednesday, 10 January 2024 14:45 (15 minutes)*

**Presenter:** KARMARKAR, Sushrut (staff@purdue.edu;student@purdue.edu;member@purdue.edu;employee@purdue.edu)

**Session Classification:** AC-LGAD

Contribution ID: 226

Type: **not specified**

## **TOF Staves Prototype Simulation and Testing**

*Wednesday, 10 January 2024 15:05 (15 minutes)*

**Presenters:** YANG, Yi (NCKU); WANG, Yu-Tang (NCKU)

**Session Classification:** AC-LGAD

Contribution ID: 227

Type: **not specified**

## Demonstration

*Wednesday, 10 January 2024 08:00 (20 minutes)*

**Presenter:** TRIBEDY, Prithwish (BNL)

**Session Classification:** AC-LGAD

Contribution ID: 228

Type: **not specified**

## **TOF Support Structure & Next steps**

*Wednesday, 10 January 2024 15:25 (20 minutes)*

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