

# **ePIC Collaboration Meeting**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# **Welcome from the Rector of Roma Tor Vergata University, Physics Dept. Director and INFN Roma Tor Vergata Directors and Local Organizers**

*Monday, January 20, 2025 9:00 AM (15 minutes)*

**Presenter:** D'ANGELO, Annalisa (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Plenary 1

Contribution ID: 2

Type: **not specified**

## **ePIC Collaboration Status**

*Monday, January 20, 2025 9:15 AM (30 minutes)*

**Presenter:** LAJOIE, John (Oak Ridge National Laboratory)

**Session Classification:** Plenary 1

Contribution ID: 3

Type: **not specified**

## Technical Coordination Report

*Monday, January 20, 2025 9:45 AM (30 minutes)*

**Presenter:** DALLA TORRE, Silvia (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Plenary 1

Contribution ID: 4

Type: **not specified**

## Software and Computing Report

*Monday, January 20, 2025 10:15 AM (30 minutes)*

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

**Session Classification:** Plenary 1

Contribution ID: 5

Type: **not specified**

## Analysis Coordination Report

*Monday, January 20, 2025 10:45 AM (30 minutes)*

**Presenter:** FAZIO, Salvatore (Universita' della Calabria ed INFN-Cosenza)

**Session Classification:** Plenary 1

Contribution ID: 6

Type: **not specified**

## Coffee Break

*Monday, January 20, 2025 11:15 AM (30 minutes)*

**Session Classification:** Plenary 1

Contribution ID: 7

Type: **not specified**

## Report from the EIC Project

*Monday, January 20, 2025 11:45 AM (30 minutes)*

**Presenters:** ASCHENAUER, Elke-Caroline (BNL); ENT, Rolf (Jefferson Lab)

**Session Classification:** Plenary 1

Contribution ID: 8

Type: **not specified**

## **EIC Collider Status**

*Monday, January 20, 2025 12:15 PM (30 minutes)*

**Presenter:** NAGAITSEV, Sergei (Fermilab/U.Chicago)

**Session Classification:** Plenary 1

Contribution ID: 9

Type: **not specified**

## Discussion

*Monday, January 20, 2025 12:50 PM (10 minutes)*

**Session Classification:** Plenary 1

Contribution ID: **10**

Type: **not specified**

## **ePIC Collaboration Priorities for 2025**

*Monday, January 20, 2025 2:00 PM (30 minutes)*

**Presenter:** LAJOIE, John (Oak Ridge National Laboratory)

**Session Classification:** Plenary 2

Contribution ID: 11

Type: **not specified**

## **Small Groups Discussion (ePIC Priorities -> Coordination Priorities)**

*Monday, January 20, 2025 2:30 PM (1 hour)*

**Session Classification:** Plenary 2

Contribution ID: 12

Type: **not specified**

## Reports From Small Groups

*Monday, January 20, 2025 3:30 PM (45 minutes)*

**Session Classification:** Plenary 2

Contribution ID: 13

Type: **not specified**

## Coffee Break

*Monday, January 20, 2025 4:15 PM (30 minutes)*

**Session Classification:** Plenary 2

Contribution ID: 14

Type: **not specified**

## Discussion

*Monday, January 20, 2025 4:45 PM (45 minutes)*

**Session Classification:** Plenary 2

Contribution ID: 15

Type: **not specified**

## Self-Proposed Contributions

*Monday, January 20, 2025 5:30 PM (30 minutes)*

**Presenters:** LAJOIE, John (Oak Ridge National Laboratory); DALLA TORRE, Silvia (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Plenary 2

Contribution ID: 16

Type: **not specified**

## **Introduction and Setting the Stage**

*Wednesday, January 22, 2025 9:00 AM (10 minutes)*

**Presenter:** FAZIO, Salvatore (Universita' della Calabria ed INFN-Cosenza)

**Session Classification:** Early Science

Contribution ID: 17

Type: **not specified**

## **Configuration and Capabilities for the Phase-1 EIC**

*Wednesday, January 22, 2025 9:10 AM (30 minutes)*

**Presenter:** ASCHENAUER, Elke-Caroline (BNL)

**Session Classification:** Early Science

Contribution ID: **18**

Type: **not specified**

## **Theory: TMDs and GPDs with early data**

*Wednesday, January 22, 2025 9:40 AM (30 minutes)*

**Presenter:** BACCHETTA, Alessandro (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Early Science

Contribution ID: 19

Type: **not specified**

## **Theory: Opportunities for first EIC physics**

*Wednesday, January 22, 2025 10:10 AM (30 minutes)*

**Presenter:** Dr ZURITA, Maria (Complutense University of Madrid)

**Session Classification:** Early Science

Contribution ID: 20

Type: **not specified**

## **SIDIS Early Science Plans**

*Wednesday, January 22, 2025 11:10 AM (20 minutes)*

**Presenters:** SEIDL, Ralf (RIKEN); DIEHL, Stefan (2nd Physics Institute JLU Giessen)

**Session Classification:** Early Science

Contribution ID: 21

Type: **not specified**

## **Jets/HF Early Science Plans**

*Wednesday, January 22, 2025 11:30 AM (20 minutes)*

**Presenter:** MA, Rongrong (BNL)

**Session Classification:** Early Science

Contribution ID: 22

Type: **not specified**

## **Social Excursion Information**

*Wednesday, January 22, 2025 10:40 AM (30 minutes)*

**Presenter:** D'ANGELO, Annalisa (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Early Science

Contribution ID: 23

Type: **not specified**

## Open Mic (5' Flash Talks)

*Wednesday, January 22, 2025 12:10 PM (30 minutes)*

**Presenter:** ARRATIA, Miguel (University of California, Riverside)

**Session Classification:** Early Science

Contribution ID: 24

Type: **not specified**

## Discussion of Future Early Science Deliverables

*Wednesday, January 22, 2025 12:40 PM (30 minutes)*

**Presenter:** FAZIO, Salvatore (Universita' della Calabria ed INFN-Cosenza)

**Session Classification:** Early Science

Contribution ID: 25

Type: **not specified**

## TC Office Priorities and Goals

*Friday, January 24, 2025 2:15 PM (30 minutes)*

**Presenter:** DALLA TORRE, Silvia (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Plenary 3

Contribution ID: 26

Type: **not specified**

## Analysis Priorities and Goals

*Friday, January 24, 2025 3:15 PM (30 minutes)*

**Presenter:** FAZIO, Salvatore (Universita' della Calabria ed INFN-Cosenza)

**Session Classification:** Plenary 3

Contribution ID: 27

Type: **not specified**

## Software and Computing Priorities and Goals

*Friday, January 24, 2025 2:45 PM (30 minutes)*

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

**Session Classification:** Plenary 3

Contribution ID: 28

Type: **not specified**

## **Discussion of ePIC Priorities and Goals**

*Friday, January 24, 2025 3:45 PM (45 minutes)*

**Session Classification:** Plenary 3

Contribution ID: 29

Type: **not specified**

## Farewell

*Friday, January 24, 2025 4:30 PM (10 minutes)*

**Presenters:** LAJOIE, John (Oak Ridge National Laboratory); DALLA TORRE, Silvia (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Plenary 3

Contribution ID: **30**

Type: **not specified**

## **Plans with exclusive and diffractive probes**

*Wednesday, January 22, 2025 11:50 AM (20 minutes)*

**Presenters:** DUPRE, Raphael (IPN Orsay); TU, Zhoudunming (BNL)

**Session Classification:** Early Science

Contribution ID: **31**

Type: **not specified**

## **Summer 2025 EIC School in Spain**

*Monday, January 20, 2025 12:45 PM (5 minutes)*

**Presenter:** VAN HULSE, Charlotte

**Session Classification:** Plenary 1

Contribution ID: 32

Type: **not specified**

## **CC Agenda is available on the ePIC Indico Site (Link in Materials)**

*Thursday, January 23, 2025 2:15 PM (4 hours)*

<https://indico.bnl.gov/event/25666/>

**Session Classification:** Collaboration Council

Contribution ID: 33

Type: **not specified**

## **ePIC Outreach**

*Friday, January 24, 2025 2:00 PM (15 minutes)*

**Presenters:** ASCHENAUER, Elke-Caroline (BNL); RUSPA, Marta (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Plenary 3

Contribution ID: 34

Type: **not specified**

## **Introduction and Current status of ePIC's design**

*Tuesday, January 21, 2025 2:00 PM (20 minutes)*

**Author:** SHARMA, Rahul (BNL)

**Presenter:** SHARMA, Rahul (BNL)

**Session Classification:** Integration Session 1

Contribution ID: 35

Type: **not specified**

## **Central Detector Installation and Support with GST and IST**

*Tuesday, January 21, 2025 2:30 PM (20 minutes)*

**Presenters:** JUNG, Andreas (Purdue University); JUNG, Andy

**Session Classification:** Integration Session 1

Contribution ID: 36

Type: **not specified**

## **Modifications to IR and its influence on Far detectors**

*Tuesday, January 21, 2025 3:00 PM (20 minutes)*

**Author:** NATOCHII, Andrii (BNL)

**Presenter:** NATOCHII, Andrii (BNL)

**Session Classification:** Integration Session 1

Contribution ID: 37

Type: **not specified**

## **A new approach to cooling in ePIC [postpone to second session]**

*Tuesday, January 21, 2025 3:25 PM (30 minutes)*

**Presenter:** JUNG, Andy

**Session Classification:** Integration Session 1

Contribution ID: **38**

Type: **not specified**

## **Design Updates on LFHCal**

*Tuesday, January 21, 2025 4:50 PM (20 minutes)*

**Presenter:** FOUNTAIN, Elliot (Oak Ridge National Lab)

**Session Classification:** Integration Session 1

Contribution ID: 39

Type: **not specified**

## ToF Mechanics and Design

*Tuesday, January 21, 2025 5:10 PM (20 minutes)*

**Presenter:** KARMARKAR, Sushrut (Purdue University)

**Session Classification:** Integration Session 1

Contribution ID: 40

Type: **not specified**

## **Backward EM Calorimeter Mechanics and Design**

*Tuesday, January 21, 2025 5:30 PM (20 minutes)*

**Presenter:** BETTANE, Julien (IJCLab)

**Session Classification:** Integration Session 1

Contribution ID: 41

Type: **not specified**

## **Introduction and Relevance of grounding**

*Thursday, January 23, 2025 9:00 AM (20 minutes)*

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

**Session Classification:** Integration Session 2

Contribution ID: 42

Type: **not specified**

## **Introduction to C-composites in ePIC and their electrical conductivity**

*Thursday, January 23, 2025 9:25 AM (20 minutes)*

**Author:** KARMARKAR, Sushrut (Purdue University)

**Presenter:** KARMARKAR, Sushrut (Purdue University)

**Session Classification:** Integration Session 2

Contribution ID: 43

Type: **not specified**

## **Examples of detector grounding: COMPASS RICH grounding Scheme**

*Thursday, January 23, 2025 9:50 AM (20 minutes)*

**Presenter:** TESSAROTTO, Fulvio (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Integration Session 2

Contribution ID: 44

Type: **not specified**

## **Examples of detector grounding: ATLAS grounding coordination for Si trackers**

*Thursday, January 23, 2025 10:15 AM (20 minutes)*

**Author:** ZEITNIZ, Christian

**Presenter:** ZEITNIZ, Christian

**Session Classification:** Integration Session 2

Contribution ID: 45

Type: **not specified**

## **Examples of detector grounding: sPHENIX TPC grounding**

*Thursday, January 23, 2025 11:40 AM (20 minutes)*

**Presenter:** SAKAGUCHI, Takao

**Session Classification:** Integration Session 2

Contribution ID: 46

Type: **not specified**

## Introduction

*Friday, January 24, 2025 9:00 AM (5 minutes)*

**Presenters:** D'ANGELO, Annalisa (Istituto Nazionale di Fisica Nucleare); BOSSÙ, Francesco (CEA-Saclay)

**Session Classification:** MPGD's

Contribution ID: 47

Type: **not specified**

## **MPGD Readout Electronics update - Irakli**

*Friday, January 24, 2025 9:05 AM (25 minutes)*

**Presenter:** MANDJAVIDZE, Irakli (CEA)

**Session Classification:** MPGD's

Contribution ID: 48

Type: **not specified**

## Status of SALSA ASIC design

*Friday, January 24, 2025 9:30 AM (20 minutes)*

**Presenter:** NEYRET, Damien (CEA Saclay IRFU/SPhN)

**Session Classification:** MPGD's

Contribution ID: 49

Type: **not specified**

## **FrontEnd and ReadOut Emulation platform**

*Friday, January 24, 2025 9:50 AM (20 minutes)*

**Presenter:** AMMENDOLA, Roberto (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** MPGD's

Contribution ID: 50

Type: **not specified**

## **FEB Form Factor constraints for Cymbal**

*Friday, January 24, 2025 10:10 AM (10 minutes)*

**Presenter:** BOSSÙ, Francesco (CEA-Saclay)

**Session Classification:** MPGD's

Contribution ID: 51

Type: **not specified**

## **FEB Form Factor constraints for BOT**

*Friday, January 24, 2025 10:20 AM (10 minutes)*

**Presenter:** Dr LEE, Seung Joon (Jefferson Laboratory)

**Session Classification:** MPGD's

Contribution ID: 52

Type: **not specified**

## **FEB Form Factor constraints for ECT**

*Friday, January 24, 2025 10:30 AM (10 minutes)*

**Presenters:** LEE, Seung Joon (Jefferson Laboratory); GRAMIGNA, Stefano (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** MPGD's

Contribution ID: 53

Type: **not specified**

## Discussion on FEB design

*Friday, January 24, 2025 10:40 AM (10 minutes)*

**Session Classification:** MPGD's

Contribution ID: 54

Type: **not specified**

## **Coffe Break**

**Session Classification:** MPGD's

Contribution ID: 55

Type: **not specified**

## Status report on MPGD-Cymbal

*Friday, January 24, 2025 11:15 AM (25 minutes)*

**Presenter:** BOSSÙ, Francesco (CEA-Saclay)

**Session Classification:** MPGD's

Contribution ID: 56

Type: **not specified**

## Status report on MPGD-ECT

*Friday, January 24, 2025 11:40 AM (25 minutes)*

**Presenter:** D'ANGELO, Annalisa (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** MPGD's

Contribution ID: 57

Type: **not specified**

## Status report on MPGD-BOT

*Friday, January 24, 2025 12:05 PM (25 minutes)*

**Presenter:** GNANVO, Kondo (Thomas Jefferson National Accelerator Facility (TJNAF))

**Session Classification:** MPGD's

Contribution ID: 58

Type: **not specified**

## **MPGD detectors development at INFN-LNF**

*Friday, January 24, 2025 12:30 PM (30 minutes)*

**Presenter:** Dr BENCIVENNI, Giovanni (LNF)

**Session Classification:** MPGD's

Contribution ID: 59

Type: **not specified**

## Introduction

*Thursday, January 23, 2025 9:00 AM (15 minutes)*

**Presenters:** DUPRÉ, Raphaël (IJCLab - CNRS - Univ. Paris-Saclay); TU, Zhoudunming (BNL)

**Session Classification:** Exclusive, Diffraction and Tagging Session 1

Contribution ID: **60**

Type: **not specified**

## **DVCS Analysis**

*Thursday, January 23, 2025 9:15 AM (30 minutes)*

**Presenter:** JEVONS, Oliver

**Session Classification:** Exclusive, Diffraction and Tagging Session 1

Contribution ID: **61**

Type: **not specified**

## **DEMP Analysis**

*Thursday, January 23, 2025 9:45 AM (30 minutes)*

**Presenter:** KAY, Stephen

**Session Classification:** Exclusive, Diffraction and Tagging Session 1

Contribution ID: **62**

Type: **not specified**

## **DVMP analysis**

*Thursday, January 23, 2025 10:15 AM (30 minutes)*

**Presenter:** OLOKUNBOYO, Olaiya

**Session Classification:** Exclusive, Diffraction and Tagging Session 1

Contribution ID: **63**

Type: **not specified**

## **Double proton tagging from helium-3**

*Thursday, January 23, 2025 11:30 AM (30 minutes)*

**Presenter:** LIN, Win (Stony Brook University)

**Session Classification:** Exclusive, Diffraction and Tagging Session 1

Contribution ID: **64**

Type: **not specified**

## **Diffractive PDF**

*Thursday, January 23, 2025 12:00 PM (30 minutes)*

**Presenter:** HASHAMIPOUR, Hadi (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Exclusive, Diffraction and Tagging Session 1

Contribution ID: 65

Type: **not specified**

## Discussion Session

*Thursday, January 23, 2025 12:30 PM (30 minutes)*

**Session Classification:** Exclusive, Diffraction and Tagging Session 1

Contribution ID: **66**

Type: **not specified**

## **Kinematic Reconstruction**

*Friday, January 24, 2025 10:00 AM (30 minutes)*

**Presenter:** MAPLE, Stephen

**Session Classification:** Exclusive, Diffraction and Tagging Session 2

Contribution ID: 67

Type: **not specified**

## Discussion Session

*Friday, January 24, 2025 10:30 AM (45 minutes)*

**Session Classification:** Exclusive, Diffraction and Tagging Session 2

Contribution ID: **68**

Type: **not specified**

## **How to perform ePIC analysis**

*Friday, January 24, 2025 11:45 AM (30 minutes)*

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

**Session Classification:** Exclusive, Diffraction and Tagging Session 2

Contribution ID: **69**

Type: **not specified**

## **Discussion Session**

*Friday, January 24, 2025 12:15 PM (45 minutes)*

**Session Classification:** Exclusive, Diffraction and Tagging Session 2

Contribution ID: 70

Type: **not specified**

## Welcome

*Tuesday, January 21, 2025 9:00 AM (5 minutes)*

**Presenters:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); VIEHHAUSER, Georg; GONELLA, Laura (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Silicon Vertex Tracker Session 1

Contribution ID: 71

Type: **not specified**

## **MOSAIX Status and EIC-LAS modifications**

*Tuesday, January 21, 2025 9:10 AM (25 minutes)*

**Presenter:** DE MELO, Joao

**Session Classification:** Silicon Vertex Tracker Session 1

Contribution ID: 72

Type: **not specified**

## **MOSAIX ER2 - EIC-contributed blocks**

*Tuesday, January 21, 2025 9:35 AM (10 minutes)*

**Presenter:** DEPTUCH, Grzegorz

**Session Classification:** Silicon Vertex Tracker Session 1

Contribution ID: 73

Type: **not specified**

## **Ancillary ASIC - SLDO design status**

*Tuesday, January 21, 2025 9:50 AM (20 minutes)*

**Presenter:** WASTIE, Roy

**Session Classification:** Silicon Vertex Tracker Session 1

Contribution ID: 74

Type: **not specified**

## **Ancillary ASIC - NVG design status**

*Tuesday, January 21, 2025 10:15 AM (20 minutes)*

**Presenter:** PUROHIT, Praful

**Session Classification:** Silicon Vertex Tracker Session 1

Contribution ID: 75

Type: **not specified**

## **Ancillary ASIC - Slow Control design status**

*Tuesday, January 21, 2025 10:40 AM (20 minutes)*

**Presenter:** IQBAL, Arif

**Session Classification:** Silicon Vertex Tracker Session 1

Contribution ID: 76

Type: **not specified**

## Introduction

*Tuesday, January 21, 2025 2:00 PM (5 minutes)*

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

**Session Classification:** Tracking Projections/Resolution @ hpDIRC

Contribution ID: 77

Type: **not specified**

## **Sensor and ancillary ASIC - next steps**

*Tuesday, January 21, 2025 11:35 AM (15 minutes)*

**Session Classification:** Silicon Vertex Tracker Session 1

Contribution ID: 78

Type: **not specified**

## **MOSAIX characterization - wafer probing status**

*Tuesday, January 21, 2025 11:55 AM (20 minutes)*

**Presenter:** FLORES, Leyre

**Session Classification:** Silicon Vertex Tracker Session 1

Contribution ID: 79

Type: **not specified**

## **Fitting and Propagation in ACTS**

*Tuesday, January 21, 2025 2:05 PM (30 minutes)*

**Presenter:** STEFL, Andreas

**Session Classification:** Tracking Projections/Resolution @ hpDIRC

Contribution ID: **80**

Type: **not specified**

## **Tracking Resolutions via Residual and Covariance Methods**

*Tuesday, January 21, 2025 2:35 PM (30 minutes)*

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

**Session Classification:** Tracking Projections/Resolution @ hpDIRC

Contribution ID: **81**

Type: **not specified**

## **Ancillary ASIC - test preparations**

*Tuesday, January 21, 2025 12:20 PM (20 minutes)*

**Presenter:** TOMASEK, Lukas

**Session Classification:** Silicon Vertex Tracker Session 1

Contribution ID: **82**

Type: **not specified**

## **Testing and characterization - next steps**

*Tuesday, January 21, 2025 12:45 PM (15 minutes)*

**Session Classification:** Silicon Vertex Tracker Session 1

Contribution ID: **83**

Type: **not specified**

## **Angular Resolutions via Hit Extrapolation**

*Tuesday, January 21, 2025 3:05 PM (30 minutes)*

**Presenter:** KAWADE, Kentaro

**Session Classification:** Tracking Projections/Resolution @ hpDIRC

Contribution ID: **84**

Type: **not specified**

## **Discussion Session 1**

*Tuesday, January 21, 2025 3:35 PM (20 minutes)*

**Session Classification:** Tracking Projections/Resolution @ hpDIRC

Contribution ID: **85**

Type: **not specified**

## **Coffee Break**

**Session Classification:** Tracking Projections/Resolution @ hpDIRC

Contribution ID: **86**

Type: **not specified**

## Open Tasks

*Tuesday, January 21, 2025 4:30 PM (20 minutes)*

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

**Session Classification:** Tracking Projections/Resolution @ hpDIRC

Contribution ID: 87

Type: **not specified**

## **Discussson Session 2 and Planning**

*Tuesday, January 21, 2025 4:50 PM (1 hour)*

**Session Classification:** Tracking Projections/Resolution @ hpDIRC

Contribution ID: **88**

Type: **not specified**

## **KFParticle application in ePIC**

**Presenter:** PANDAV, Ashish (LBNL)

**Session Classification:** Jets and Heavy Flavor

Contribution ID: **89**

Type: **not specified**

## **Progress in jet physics**

*Tuesday, January 21, 2025 9:00 AM (20 minutes)*

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

**Session Classification:** Jets and Heavy Flavor

Contribution ID: **90**

Type: **not specified**

## **Particle flow for jet reconstruction**

*Tuesday, January 21, 2025 9:20 AM (40 minutes)*

**Presenter:** ANDERSON, Derek (Texas A&M University)

**Session Classification:** Jets and Heavy Flavor

Contribution ID: **91**

Type: **not specified**

## **Jets & HF projection for early science**

*Tuesday, January 21, 2025 10:00 AM (20 minutes)*

**Presenter:** MA, Rongrong (BNL)

**Session Classification:** Jets and Heavy Flavor

Contribution ID: 92

Type: **not specified**

## Hadron-in-jet Collins asymmetry

*Tuesday, January 21, 2025 11:10 AM (20 minutes)*

**Presenter:** ADKINS, Kevin (Morehead)

**Session Classification:** Jets and Heavy Flavor

Contribution ID: 93

Type: **not specified**

## Secondary vertexing

*Tuesday, January 21, 2025 11:30 AM (20 minutes)*

**Presenter:** DONGWI, Bishoy (SBU)

**Session Classification:** Jets and Heavy Flavor

Contribution ID: 94

Type: **not specified**

## **D0 reconstruction in eAu collisions**

**Presenter:** TIU, Ronan (SBU)

**Session Classification:** Jets and Heavy Flavor

Contribution ID: 95

Type: **not specified**

## **Lc reconstruction in ep collisions**

*Tuesday, January 21, 2025 12:10 PM (20 minutes)*

**Presenter:** PRIFTI, Enea (UIC)

**Session Classification:** Jets and Heavy Flavor

Contribution ID: 96

Type: **not specified**

## **FPC status and vendor selection**

*Friday, January 24, 2025 9:05 AM (25 minutes)*

**Presenter:** BORRI, Marcello

**Session Classification:** Silicon Vertex Tracker Session 4

Contribution ID: 97

Type: **not specified**

## Opening

*Tuesday, January 21, 2025 9:00 AM (5 minutes)*

**Presenter:** YANO, Satoshi

**Session Classification:** AC-LGAD Detectors

Contribution ID: **98**

Type: **not specified**

## **BTOF overview**

*Tuesday, January 21, 2025 9:05 AM (15 minutes)*

**Presenter:** YANO, Satoshi

**Session Classification:** AC-LGAD Detectors

Contribution ID: 99

Type: **not specified**

## **FTOF overview**

*Tuesday, January 21, 2025 9:20 AM (15 minutes)*

**Presenter:** BENOIT, Mathieu

**Session Classification:** AC-LGAD Detectors

Contribution ID: **100**

Type: **not specified**

## **FF overview**

*Tuesday, January 21, 2025 9:35 AM (15 minutes)*

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

**Session Classification:** AC-LGAD Detectors

Contribution ID: **101**

Type: **not specified**

## Sensor

*Tuesday, January 21, 2025 9:50 AM (20 minutes)*

**Presenter:** MAZZA, Simone

**Session Classification:** AC-LGAD Detectors

Contribution ID: **102**

Type: **not specified**

## **EICROC**

*Tuesday, January 21, 2025 10:10 AM (15 minutes)*

**Presenter:** MARCHAND, Dominique

**Session Classification:** AC-LGAD Detectors

Contribution ID: **103**

Type: **not specified**

## **Electronics**

*Tuesday, January 21, 2025 10:25 AM (15 minutes)*

**Presenter:** LJUBICIC, Tonko

**Session Classification:** AC-LGAD Detectors

Contribution ID: **104**

Type: **not specified**

## **Coffee break**

*Tuesday, January 21, 2025 10:40 AM (10 minutes)*

**Session Classification:** AC-LGAD Detectors

Contribution ID: **105**

Type: **not specified**

## **BTOF FPC**

*Tuesday, January 21, 2025 10:50 AM (15 minutes)*

**Presenter:** HACHIYA, Takashi

**Session Classification:** AC-LGAD Detectors

Contribution ID: **106**

Type: **not specified**

## **Mechanical & Cooling**

*Tuesday, January 21, 2025 11:05 AM (15 minutes)*

**Presenter:** KARMARKAR, Sushrut

**Session Classification:** AC-LGAD Detectors

Contribution ID: **107**

Type: **not specified**

## **Assembling**

*Tuesday, January 21, 2025 11:20 AM (15 minutes)*

**Presenter:** BENOIT, Mathieu

**Session Classification:** AC-LGAD Detectors

Contribution ID: **108**

Type: **not specified**

## Simulation

*Tuesday, January 21, 2025 11:35 AM (15 minutes)*

**Presenter:** KAWADE, Kentaro

**Session Classification:** AC-LGAD Detectors

Contribution ID: **109**

Type: **not specified**

## **BNL activity**

*Tuesday, January 21, 2025 11:50 AM (15 minutes)*

**Presenter:** PAUL, Souvik

**Session Classification:** AC-LGAD Detectors

Contribution ID: **110**

Type: **not specified**

## **Contribution to BTOF from Japan**

*Tuesday, January 21, 2025 12:05 PM (25 minutes)*

**Presenter:** YANO, Satoshi

**Session Classification:** AC-LGAD Detectors

Contribution ID: **111**

Type: **not specified**

## Discussion

*Tuesday, January 21, 2025 12:30 PM (30 minutes)*

**Presenter:** YANO, Satoshi

**Session Classification:** AC-LGAD Detectors

Contribution ID: 112

Type: **not specified**

## **Machine learning for D0 reconstruction in ep collisions**

*Tuesday, January 21, 2025 11:50 AM (20 minutes)*

**Presenter:** KUMAR, Shyam (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** Jets and Heavy Flavor

Contribution ID: 113

Type: **not specified**

## **Sensor and ancillary ASIC power dissipation estimates**

*Tuesday, January 21, 2025 2:20 PM (20 minutes)*

**Presenter:** SEDGWICK, Iain

**Session Classification:** Silicon Vertex Tracker Session 2

Contribution ID: **114**

Type: **not specified**

## **SVT power dissipation**

*Tuesday, January 21, 2025 2:45 PM (10 minutes)*

**Presenter:** VIEHHAUSER, Georg

**Session Classification:** Silicon Vertex Tracker Session 2

Contribution ID: **115**

Type: **not specified**

## **SVT cooling**

*Tuesday, January 21, 2025 3:00 PM (20 minutes)*

**Presenter:** APADULA, Nicole

**Session Classification:** Silicon Vertex Tracker Session 2

Contribution ID: **116**

Type: **not specified**

## **Data rates**

*Tuesday, January 21, 2025 3:25 PM (30 minutes)*

**Presenter:** SCHAMBACH, Jo

**Session Classification:** Silicon Vertex Tracker Session 2

Contribution ID: **117**

Type: **not specified**

## **Data rates**

**Presenter:** SCHAMBACH, Jo

**Session Classification:** Silicon Vertex Tracker Session 2

Contribution ID: **118**

Type: **not specified**

## **IB prototyping, FEA, and plans**

*Tuesday, January 21, 2025 4:35 PM (1 hour)*

**Presenters:** ELIA, Domenico (Istituto Nazionale di Fisica Nucleare); CAMERLINGO, Maria Teresa (Istituto Nazionale di Fisica Nucleare); TURRISI, Rosario (INFN-PD)

**Session Classification:** Silicon Vertex Tracker Session 2

Contribution ID: **119**

Type: **not specified**

## **OB prototyping, FEA, and plans**

**Presenters:** HUDDART, Adam; VIEHHAUSER, Georg

**Session Classification:** Silicon Vertex Tracker Session 2

Contribution ID: **120**

Type: **not specified**

## **Disks prototyping, FEA, and plans**

*Thursday, January 23, 2025 10:10 AM (30 minutes)*

**Presenter:** APADULA, Nicole

**Session Classification:** Silicon Vertex Tracker Session 3

Contribution ID: **121**

Type: **not specified**

## **Integration, services, envelopes**

**Presenters:** JUNG, Andy; VIEHHAUSER, Georg

**Session Classification:** Silicon Vertex Tracker Session 3

Contribution ID: 122

Type: **not specified**

## **IB, OB, disks - discussion**

*Thursday, January 23, 2025 10:45 AM (10 minutes)*

**Presenters:** ELIA, Domenico (Istituto Nazionale di Fisica Nucleare); VIEHHAUSER, Georg; APADULA, Nicole

**Session Classification:** Silicon Vertex Tracker Session 3

Contribution ID: 123

Type: **not specified**

## **IB readout and SVT RDO board development**

*Thursday, January 23, 2025 11:35 AM (25 minutes)*

**Presenter:** SCHAMBACH, Jo

**Session Classification:** Silicon Vertex Tracker Session 3

Contribution ID: **124**

Type: **not specified**

## **OB & Disk readout**

*Thursday, January 23, 2025 12:30 PM (25 minutes)*

**Presenter:** GLOVER, James

**Session Classification:** Silicon Vertex Tracker Session 3

Contribution ID: 125

Type: **not specified**

## **IB powering**

*Friday, January 24, 2025 9:35 AM (15 minutes)*

**Presenters:** GLOVER, James; SCHAMBACH, Jo

**Session Classification:** Silicon Vertex Tracker Session 4

Contribution ID: 126

Type: **not specified**

## **OB and Disk powering and grounding**

*Friday, January 24, 2025 9:55 AM (30 minutes)*

**Presenter:** GLOVER, James

**Session Classification:** Silicon Vertex Tracker Session 4

Contribution ID: 127

Type: **not specified**

## Data and slow control transmission

*Friday, January 24, 2025 10:30 AM (30 minutes)*

**Presenter:** DEPTUCH, Grzegorz

**Session Classification:** Silicon Vertex Tracker Session 4

Contribution ID: **128**

Type: **not specified**

## Simulations

*Friday, January 24, 2025 11:35 AM (20 minutes)*

**Presenters:** SICHTERMANN, Ernst (Lawrence Berkeley National Laboratory); LI, Shujie

**Session Classification:** Silicon Vertex Tracker Session 4

Contribution ID: **129**

Type: **not specified**

## Next steps

*Friday, January 24, 2025 12:00 PM (1 hour)*

**Session Classification:** Silicon Vertex Tracker Session 4

Contribution ID: **130**

Type: **not specified**

## Welcome and Meeting Goals

*Tuesday, January 21, 2025 9:00 AM (15 minutes)*

**Presenters:** BARBOSA, Fernando (JLab); LANDGRAF, Jeff (BNL); HUANG, Jin (Brookhaven National Lab); BATTAGLIERI, Marco (Istituto Nazionale di Fisica Nucleare); DIEFENTHALER, Markus (Jefferson Lab); WENAUS, Torre

**Session Classification:** ePIC Data: From Readout to Analysis Session 1

Contribution ID: 131

Type: **not specified**

## Streaming DAQ Overview

*Tuesday, January 21, 2025 9:15 AM (30 minutes)*

**Presenter:** LANDGRAF, Jeff (BNL)

**Session Classification:** ePIC Data: From Readout to Analysis Session 1

Contribution ID: **132**

Type: **not specified**

## **Discussion**

*Tuesday, January 21, 2025 9:45 AM (30 minutes)*

**Session Classification:** ePIC Data: From Readout to Analysis Session 1

Contribution ID: 133

Type: **not specified**

## **Special Case: Design Ideas for an Online Data Reduction System for the dRICH Detector**

*Tuesday, January 21, 2025 10:15 AM (20 minutes)*

**Presenter:** LONARDO, Alessandro (Istituto Nazionale di Fisica Nucleare)

**Session Classification:** ePIC Data: From Readout to Analysis Session 1

Contribution ID: **134**

Type: **not specified**

## Discussion

*Tuesday, January 21, 2025 10:35 AM (25 minutes)*

**Session Classification:** ePIC Data: From Readout to Analysis Session 1

Contribution ID: 135

Type: **not specified**

## **Group Discussion: Interface Requirements Between Streaming DAQ and Computing**

*Tuesday, January 21, 2025 11:30 AM (1 hour)*

**Session Classification:** ePIC Data: From Readout to Analysis Session 1

Contribution ID: 136

Type: **not specified**

## **Use Case: Data Inputs and Requirements for Physics Analysis**

*Tuesday, January 21, 2025 12:30 PM (15 minutes)*

**Presenters:** REED, Rosi (Lehigh University); FAZIO, Salvatore (Universita' della Calabria ed INFN--Cosenza)

**Session Classification:** ePIC Data: From Readout to Analysis Session 1

Contribution ID: **137**

Type: **not specified**

## Discussion

*Tuesday, January 21, 2025 12:45 PM (15 minutes)*

**Session Classification:** ePIC Data: From Readout to Analysis Session 1

Contribution ID: 138

Type: **not specified**

## **Use Case: Autonomous Alignment and Calibration**

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

**Session Classification:** ePIC Data: From Readout to Analysis Session 1

Contribution ID: 139

Type: **not specified**

## Use Case: Autonomous Alignment and Calibration

*Tuesday, January 21, 2025 3:25 PM (20 minutes)*

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

**Session Classification:** ePIC Data: From Readout to Analysis Session 2

Contribution ID: **140**

Type: **not specified**

## Discussion

*Tuesday, January 21, 2025 3:45 PM (15 minutes)*

**Session Classification:** ePIC Data: From Readout to Analysis Session 2

Contribution ID: **141**

Type: **not specified**

## **Use Case: Simulations and AI-Driven Enhancements**

*Tuesday, January 21, 2025 2:50 PM (20 minutes)*

**Presenter:** REN, Ray (BNL)

**Session Classification:** ePIC Data: From Readout to Analysis Session 2

Contribution ID: **142**

Type: **not specified**

## Discussion

*Tuesday, January 21, 2025 3:10 PM (15 minutes)*

**Session Classification:** ePIC Data: From Readout to Analysis Session 2

Contribution ID: 143

Type: **not specified**

## Use Case: Processing (Super)Timeframes

*Tuesday, January 21, 2025 2:00 PM (20 minutes)*

**Presenter:** BREI, Nathan (Jefferson Lab)

**Session Classification:** ePIC Data: From Readout to Analysis Session 2

Contribution ID: **144**

Type: **not specified**

## Discussion

*Tuesday, January 21, 2025 2:20 PM (30 minutes)*

**Session Classification:** ePIC Data: From Readout to Analysis Session 2

Contribution ID: 145

Type: **not specified**

## **Group Discussion: Development of Streaming DAQ and Computing**

*Tuesday, January 21, 2025 4:30 PM (1 hour)*

**Presenters:** LANDGRAF, Jeff (BNL); DIEFENTHALER, Markus (Jefferson Lab)

**Session Classification:** ePIC Data: From Readout to Analysis Session 2

Contribution ID: 146

Type: **not specified**

## Update about geometry exchange between Simulations & Engineers

*Tuesday, January 21, 2025 4:30 PM (20 minutes)*

**Author:** PENG, Chao (ANL)

**Presenter:** PENG, Chao (ANL)

**Session Classification:** Integration Session 1

Contribution ID: **147**

Type: **not specified**

## **Photo Contest**

*Monday, January 20, 2025 1:05 PM (10 minutes)*

**Presenter:** RUSPA, Marta (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 148

Type: **not specified**

## **Testing and characterization - next steps (continued)**

*Tuesday, January 21, 2025 2:00 PM (15 minutes)*

Materials posted in the morning entry.

**Session Classification:** Silicon Vertex Tracker Session 2

Contribution ID: 149

Type: **not specified**

## **A new approach to cooling in ePIC [Canceled]**

*Thursday, January 23, 2025 12:05 PM (20 minutes)*

**Author:** JUNG, Andreas (Purdue University)

**Presenters:** JUNG, Andreas (Purdue University); JUNG, Andy; JUNG, Andy (Purdue University)

**Session Classification:** Integration Session 2

Contribution ID: **150**

Type: **not specified**

## Introduction

*Thursday, January 23, 2025 9:00 AM (20 minutes)*

**Authors:** KALINKIN, Dmitry (University of Kentucky); SURESH, Karthik; GARDNER, Simon

**Presenters:** KALINKIN, Dmitry (University of Kentucky); SURESH, Karthik; GARDNER, Simon

**Session Classification:** AI/ML Workflows Hackathon

Contribution ID: 151

Type: **not specified**

## Hacking (in-person and online)

*Thursday, January 23, 2025 9:20 AM (3h 40m)*

**Session Classification:** AI/ML Workflows Hackathon

Contribution ID: 152

Type: **not specified**

## **OB prototyping, FEA, and plans**

*Thursday, January 23, 2025 9:30 AM (35 minutes)*

**Presenters:** HUDDART, Adam; VIEHHAUSER, Georg

**Session Classification:** Silicon Vertex Tracker Session 3