

第二届粒子物理实验径迹重建 研讨会

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Tuesday 22 July 2025 08:50 (10 minutes)

Presenter: Dr GUO, Aiqiang (IMP CAS)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

ACTS for sPHENIX (Remote)

Tuesday 22 July 2025 09:00 (25 minutes)

Presenter: OSBORN, Joe

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

ACTS for CEPC

Tuesday 22 July 2025 09:25 (25 minutes)

Presenter: ZHANG, Yizhou

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

ACTS for FASER tracking

Tuesday 22 July 2025 09:50 (20 minutes)

Presenter: ZHANG, Saimeng

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

Track reconstruction for BESIII CGEM

Tuesday 22 July 2025 10:40 (25 minutes)

Presenter: WANG, Liangliang

Session Classification: Session2

Contribution ID: 6

Type: **not specified**

STCF Tracking

Tuesday 22 July 2025 11:05 (25 minutes)

Presenter: ZHANG, Jin

Session Classification: Session2

Contribution ID: 7

Type: **not specified**

CEPC ParticleFlow (t.b.d.)

Tuesday 22 July 2025 11:30 (25 minutes)

Presenter: SUN, Shengsen

Session Classification: Session2

Contribution ID: 8

Type: **not specified**

Track reconstruction for LHCb

Tuesday 22 July 2025 14:00 (25 minutes)

Presenter: YUAN, Xuhao

Session Classification: Session3

Contribution ID: 9

Type: **not specified**

Drift Chamber Tracking for COMET

Tuesday 22 July 2025 14:25 (20 minutes)

Presenter: ZHANG, Yao

Session Classification: Session3

Contribution ID: **10**

Type: **not specified**

GNN application in drift chamber BESIII/STCF

Tuesday 22 July 2025 14:45 (20 minutes)

Presenter: QIN, Xiaoshuai

Session Classification: Session3

Contribution ID: **11**

Type: **not specified**

dN/dX analysis based on ML

Tuesday 22 July 2025 15:05 (20 minutes)

Presenter: ZHAO, Guang

Session Classification: Session3

Contribution ID: **12**

Type: **not specified**

AI in HEP (Remote)

Tuesday 22 July 2025 16:15 (35 minutes)

Presenter: SALZBURGER, Andreas (CERN)

Session Classification: Session 4

Contribution ID: **13**

Type: **not specified**

ATLAS 4D b-tagging status

Tuesday 22 July 2025 16:50 (25 minutes)

Presenter: CAIRO, Valentina

Session Classification: Session 4

Contribution ID: **14**

Type: **not specified**

4D tracking with ACTS

Tuesday 22 July 2025 17:15 (25 minutes)

Presenter: WANG, Yanqi

Session Classification: Session 4

Contribution ID: 15

Type: **not specified**

CMS 4D tracking

Tuesday 22 July 2025 17:40 (25 minutes)

Presenter: BABBAR, Jyoti

Session Classification: Session 4

Contribution ID: **16**

Type: **not specified**

CGEM microTPC clustering

Wednesday 23 July 2025 09:00 (20 minutes)

Presenter: YUAN, Hao

Session Classification: Session 1

Contribution ID: 17

Type: **not specified**

STCF ITKW microTPC

Wednesday 23 July 2025 09:20 (18 minutes)

Presenter: TANG, Jiajun

Session Classification: Session 1

Contribution ID: **18**

Type: **not specified**

Vertex fitting at BESIII

Wednesday 23 July 2025 09:38 (25 minutes)

Presenter: PEI, Yupeng

Session Classification: Session 1

Contribution ID: **19**

Type: **not specified**

Vertex reconstruction at STCF

Wednesday 23 July 2025 10:45 (25 minutes)

Presenter: YU, Mingyu

Session Classification: Session 2

Contribution ID: 20

Type: **not specified**

Secondary Vertexing and Flavour Tagging in ATLAS

Wednesday 23 July 2025 11:10 (25 minutes)

Presenter: LIU, Bingxuan

Session Classification: Session 2

Contribution ID: **21**

Type: **not specified**

Advanced ML jet taggers in CMS

Wednesday 23 July 2025 11:35 (25 minutes)

Presenter: LI, Congqiao

Session Classification: Session 2

Contribution ID: 22

Type: **not specified**

AI in software development

Presenter: LI, Ke

Session Classification: Session 3

Contribution ID: 23

Type: **not specified**

BESIII CGEM+MDC comis-ray alignment

Wednesday 23 July 2025 14:00 (20 minutes)

Presenter: WANG, Jiaju

Session Classification: Session 3

Contribution ID: 24

Type: **not specified**

KF-based alignment

Wednesday 23 July 2025 14:20 (20 minutes)

Presenters: AI, Xiaocong; SUN, Zequn

Session Classification: Session 3

Contribution ID: 25

Type: **not specified**

ATLAS alignment

Wednesday 23 July 2025 14:40 (25 minutes)

Presenter: BRUCKMAN, Pawel

Session Classification: Session 3

Contribution ID: 26

Type: **not specified**

Quantum Computing for tracking (Remote)

Presenter: CHAI, Yahui

Session Classification: Session 4

Contribution ID: 27

Type: **not specified**

Development of real-time online tracking system

Wednesday 23 July 2025 16:50 (25 minutes)

Presenter: ZHOU, Qidong

Session Classification: Session 4

Contribution ID: **28**

Type: **not specified**

FPGA tracking

Wednesday 23 July 2025 17:15 (20 minutes)

Presenter: FENG, Changqing

Session Classification: Session 4

Contribution ID: **29**

Type: **not specified**

GPU Trigger

Wednesday 23 July 2025 17:35 (20 minutes)

Presenter: LHCb GROUP

Session Classification: Session 4

Contribution ID: **30**

Type: **not specified**

Summary

Wednesday 23 July 2025 17:55 (15 minutes)

Presenter: AI, Xiaocong

Session Classification: Session 4

Contribution ID: **31**

Type: **not specified**

Cosmic track reconstruction of BESIII MDC

Wednesday 23 July 2025 10:03 (20 minutes)

Presenter: LI, Yaxuan

Session Classification: Session 1

Contribution ID: 32

Type: **not specified**

Quantum & quantum-inspired algorithms for reconstruction

Wednesday 23 July 2025 15:05 (25 minutes)

Presenter: OKAWA, Hideki

Session Classification: Session 3

Contribution ID: 33

Type: **not specified**

AI in software development

Wednesday 23 July 2025 16:25 (25 minutes)

Presenter: LI, Ke

Session Classification: Session 4

Contribution ID: 34

Type: **not specified**

Quantum computing for tracking

Wednesday 23 July 2025 15:30 (25 minutes)

Presenter: CHAI, Yahui

Session Classification: Session 3

Contribution ID: 35

Type: **not specified**

Darkshine tracking and vertexing

Tuesday 22 July 2025 15:25 (20 minutes)

Presenter: LI, Liang

Session Classification: Session3