

## Session Program

Apr 8 - 11, 2024



# 2024 European Edition of the International Workshop on the Circular Electron-Positron Collider, Marseille, FRANCE

## *Parallel B*

Marseille, Mercure Marseille Centre Vieux Port Hotel  
1 Rue Neuve Saint Martin 13001 Marseille

# Mon, April 8

1:45 PM

## Parallel B: Calorimetry 1

Session | Location: Mercure Hotel, Frioul | Conveners: Yong Liu, Roberto Ferrari, Mary-Crouz Fouz

1:45 – 2:09 PM **CALICE calorimeters overview**

**Speaker**

Yong Liu

2:09 – 2:33 PM **High-granularity crystal ECAL R&D activities and highlights**

**Speaker**

Zhiyu Zhao

2:33 – 2:57 PM **High-granularity scintillating glass HCAL R&D activities and highlights**

**Speaker**

Sen Qian

2:57 – 3:21 PM **ZOOM - Precision timing in Calorimeters**

**Speaker**

Nural Akchurin

3:21 – 3:45 PM **ZOOM - IDEA dual-readout calorimetry**

**Speaker**

Alessandro Braghieri

3:45 PM

4:15 PM

## Parallel B: Calorimetry 2

Session | Location: Mercure Hotel, Frioul | Conveners: Yong Liu, Roberto Ferrari, Mary-Cruz Fouz

4:15 – 4:39 PM **ZOOM - Scintillators for calorimeters – Crystal Clear collaboration**

**Speaker**

Etiennette Auffray

4:39 – 5:03 PM **LAr calorimeter for FCC-ee/FCC-hh**

**Speaker**

Tong LI

5:03 – 5:27 PM **CMS calorimeters: performance, long term stability and calibration**

**Speaker**

Badder Marzocchi

5:27 – 5:51 PM **Electronics for calorimetry**

**Speaker**

Christophe de LA TAILLE

5:51 – 6:15 PM **ECFA DRD6 overview**

**Speaker**

Roberto Ferrari

6:15 PM

## Tue, April 9

9:00 AM

**Parallel B: DAQ & Electronics**

Session | Location: Mercure Hotel, Frioul | Conveners: Zhen-An LIU, Jean-Pierre Cachemiche

9:00 – 9:20 AM **The PCIe400 card (LHCb)****Speaker**

Julien Langouët

9:20 – 9:40 AM **Status of the CEPC Elec-DAQ studies for the Det Ref-TDR****Speaker**

Wei Wei

9:40 – 10:00 AM

**Embedded recurrent neural networks on FPGAs for the reconstruction of the energy deposited in the ATLAS LAr calorimeter****Speaker**

Georges AAD

10:00 – 10:20 AM **Status of the wireless transmission for future collider****Speaker**

Jun Hu

10:20 – 10:40 AM **Discussion**

10:40 AM

11:10 AM

**Parallel B: Tracking detectors**

Session | Location: Mercure Hotel, Frioul | Conveners: Marlon BARBERO, Yiming Li, Zhijun Liang

11:10 – 11:30 AM **LGAD based 4D outer tracker and time of flight****Speaker**

Mei Zhao

11:30 – 11:50 AM **Timing with Cactus****Speaker**

Philippe Schwemling

11:50 AM – 12:10 PM **CEPC silicon tracker developments****Speaker**

Harald Fox

12:10 – 12:30 PM **AMS L0 Upgrade****Speaker**

Zijun Xu

12:30 – 12:50 PM **ZOOM - ALICE ITS3 & experience with stitched sensors****Speaker**

Nicolas Tiltmann

12:50 PM

2:00 PM

**Parallel B: Vertex detectors**

Session | Location: Mercure Hotel, Frioul | Conveners: Marlon BARBERO, Zhijun Liang, Yiming Li

2:00 – 2:20 PM **Obelix development for VTX (Belle 2 upgrade)**Speaker  
Roua Boudagga2:20 – 2:40 PM **CEPC vertex detector status**Speaker  
Wei Wei2:40 – 3:00 PM **VELO Upgrade 2 plans and R&D**Speaker  
Kazu Akiba3:00 – 3:20 PM **Developments in TPSco 65 nm**Speaker  
Dr Ajit Kumar3:20 – 3:40 PM **28 nm electronics developments**Speaker  
Mohsine Menouni3:40 – 4:00 PM **ZOOM - ARCADIA project**Speaker  
Marco Mandurrino

4:00 PM

4:30 PM

**Parallel B: Computing, Simulation & Performance**

Session | Location: Mercure Hotel, Frioul | Convener: Prof. Manqi RUAN

4:30 – 4:50 PM **APRIL PFA for circular collider**Speaker  
Tanguy Pasquier4:50 – 5:10 PM **ZOOM - Reconstruction algorithm development towards crystal bar ECAL**Speaker  
Fangyi Guo5:10 – 5:30 PM **Status and Progress of the CEPC Software**Speaker  
Tao Lin5:30 – 5:50 PM **Pattern recognition and Digitiation studies of High Granularity Calorimeter**Speaker  
Yong Liu5:50 – 6:10 PM **First experience with LHCb GPU-based software trigger**Speakers  
Anton Poluektov, Anton Poluektov6:10 – 6:30 PM **dN/dx reconstruction with machine learning for drift chamber**

6:30 PM

Speaker  
Guang Zhao

## Wed, April 10

9:00 AM

### Parallel B: Gas detectors

Session | Location: Mercure Hotel, Frioul | Conveners: Huirong Qi, Paolo Giacomelli

9:00 – 9:20 AM **Progress of TPC R&D for future circular e+e- collider**

**Speaker**

Huirong Qi

9:20 – 9:40 AM **Progress and Developments on the IDEA Drift Chamber**

**Speaker**

Francesco Giuseppe Gravili

9:40 – 10:00 AM **R&D Progress of Drift Chamber for CEPC**

**Speaker**

Dr Mingyi Dong

10:00 – 10:20 AM **RWELL-based IDEA sub-detectors**

**Speaker**

Francesco Chiapponi

10:20 – 10:40 AM **ZOOM - MRPC R&D for future circular e+e- collider**

**Speaker**

Yi Wang

10:40 – 11:00 AM **ZOOM - T2K/ND280 TPC Installation & Commissioning**

**Speaker**

Paul Colas

11:00 AM