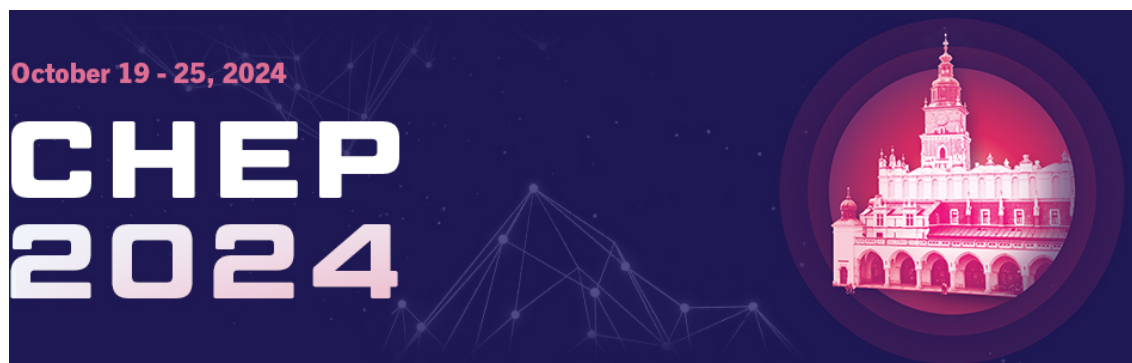


## Session Program

19-25 Oct 2024



**Conference on Computing in High Energy and  
Nuclear Physics**

***Parallel (Track 6)***

# Monday 21 October

13:30

## Parallel (Track 6): Collaborative software and maintainability

**Session** | **Location:** Room 2.A (Seminar Room) | **Conveners:** Nathan Grieser, Wouter Deconinck

13:30–13:48 **Containerization in the ATLAS Offline Code Management System**

**Speaker**  
Chris Lee

13:48–14:06 **ATLAS ITk Production Database use and tools**

**Speaker**  
Monika Wielers

14:06–14:24 **XKIT for GridPP: (XRootD Kubentes Integration Testing for GridPP)**

**Speaker**  
Wenlong Yuan

14:24–14:42 **dCache CI/CD migration to Kubernetes**

**Speaker**  
Mr Tigran Mkrtchyan

14:42–15:00

**Thoroughly testing and integrating hundreds of Pull Requests per month: ROOT's new Cost-efficient and Feature Rich GitHub-based CI**

**Speaker**  
Danilo Piparo

15:18

16:15

## Parallel (Track 6): Collaborative software and maintainability

**Session** | **Location:** Room 2.A (Seminar Room) | **Conveners:** Matthew Feickert, Wouter Deconinck

16:15–16:33 **Extending the Gaudi Software Framework outside of C++**

**Speaker**  
Marco Clemencic

16:33–16:51

**Comparative efficiency of HEP codes across languages and architectures**

**Speaker**  
Samuel Cadellin Skipsey

16:51–17:09

**pip install ROOT: experiences making a complex multi-language package accessible for Python users**

**Speaker**  
Dr Vincenzo Eduardo Padulano

17:09–17:27 **AccGPT: A CERN Knowledge Retrieval Chatbot**

**Speaker**  
Juan Manuel Guijarro

17:27-17:45

**LHCb Stripping Project: Continuing to Fully and Efficiently Utilize Legacy Data**

**Speaker**

Dr Nathan Grieser

17:45-18:03

**Evolution of the ATLAS TRT Gas Gain Stabilization System Software**

**Speaker**

Bartosz Mindur

18:03

## Tuesday 22 October

13:30

### Parallel (Track 6): Collaborative software and maintainability

**Session** | **Location:** Room 2.A (Seminar Room) | **Conveners:** Matthew Feickert, Tobias Fitschen

13:48–14:06

#### Enhancing software-hardware co-design for HEP by low-overhead profiling of single- and multi-threaded programs on diverse architectures with AdaptivePerf

**Speaker**

Maksymilian Graczyk

14:06–14:24

#### Thread-safe N-tuple Writing in Gaudi with TTree and Migration to RNTuple

**Speaker**

Silia Taider

14:24–14:42

#### A data Quality-Assurance framework for online and offline applications for the CBM experiment

**Speaker**

Sergei Zharko

14:42–15:00

#### Infrastructure for deployment and evaluation of LHCb trigger configurations

**Speaker**

Luke Grazette

15:00–15:18

#### CERN OSPO's Catalogue Initiative: Amplifying Open Science for the CERN Community

**Speakers**

Giacomo Tenaglia, Victoria Stephany Huisman Sigcha

15:18

16:15

### Parallel (Track 6): Collaborative software and maintainability

**Session** | **Location:** Room 2.A (Seminar Room) | **Conveners:** Nathan Grieser, Tobias Fitschen

16:15–16:33

#### Building the Key4hep Software Stack with Spack

**Speaker**

Juan Miguel Carceller

16:33–16:51

#### Multi-package development at Fermilab with Spack

**Speaker**

Kyle Knoepfel

16:51–17:09

#### Collaborative software and maintainability for ePIC experiment at EIC

**Speakers**

Dmitry Kalinkin, Wouter Deconinck

17:09–17:27

#### The ePIC Simulation Campaign Workflow on the Open Science Grid

**Speaker**

Sakib Rahman

17:27-17:45

**The roles of the SCAB Nominations and Activities systems in the ATLAS-CERN speakers selection**

**Speaker**

Carolina Niklaus Moreira Da Rocha Rodrigues

17:45-18:03

**Enhancing product management in the ATLAS Management Glance team**

**Speaker**

Gabriela Lemos Lucidi Pinhao

18:03