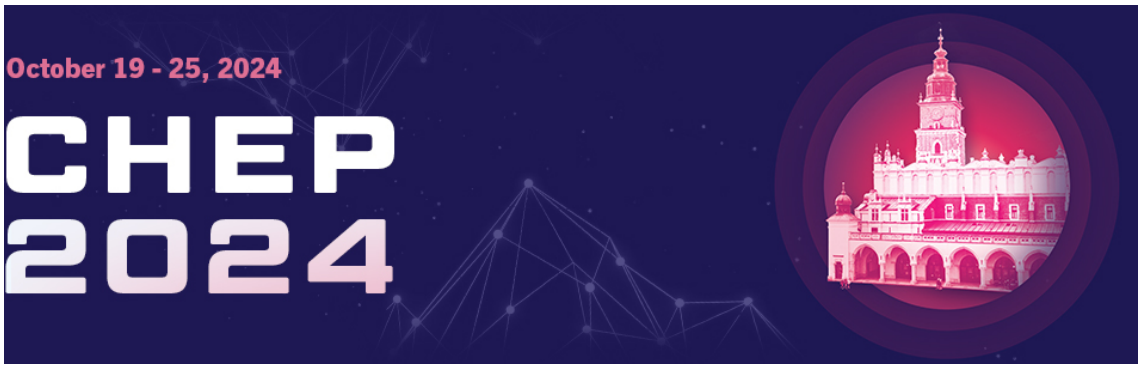
**Session Program**

**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