

Session Program

27 September 2023

Future Colliders for Early-Career Researchers

Lunch including poster session

CERN, 222/R-001

Wednesday 27 September

12:00

Lunch including poster session

Session | Location: CERN, 222/R-001

12:00-12:05 **The Key4hep software stack: Beyond Future Higgs factories**

Speaker

Leonhard Reichenbach

12:05-12:10 **Beam-induced background simulations for a multi-TeV muon collider**

Speaker

Daniele Calzolari

12:10-12:15 **Proposal on the electromagnetic calorimeter for a muon collider**

Speaker

Carlo Giraladin

12:15-12:20

Bottom quark forward-backward asymmetry at the future electron-positron collider FCC-ee

Speaker

Leonardo Toffolin

12:20-12:25

Design and Performance of the IDEA Vertex Detector at FCC-ee in Full Simulation and Related R&D on Monolithic Silicon Sensors

Speaker

Armin Ilg

12:25-12:30 **Machine Detector Interface for $\sqrt{s} = 3$ TeV Muon Collider**

Speaker

Luca Castelli

12:30-12:35 **Beamstrahlung dump and radiation levels in the experiment IRs**

Speaker

Alessandro Frasca

12:35-12:40

Calorimeter Clustering at FCC-ee with E(n) Equivariant Graph Neural Networks

Speaker

Gregor Krzmanc

12:40-12:45

Beam-induced background simulations in calorimeter at a muon collider

Speaker

Shivani Sanjay Lomte

12:45-12:50

Exploring the Hidden Sector with two-particle angular correlations at future e+e- colliders

12:55

Speaker
Emanuela Musumeci