

Session Program

16-19 Sept 2025



DRD-Calo

Ancona meeting

Faculty of Engineering 16th-19th September



DRD Calo Collaboration Meeting in Ancona

WG1 Plenary: Session II

Ancona, Faculty of Engineering
Polo Trifogli Montedago via Breccie Bianche, 12 60100 Ancona (AN)

Friday 19 September

09:00

WG1 Plenary: Session II: Session I

Session | **Location:** Faculty of Engineering, Room 140/3 | **Conveners:** Brieuc Francois, Lorenzo Pezzotti

09:00–09:20 **What Software and reconstruction can do for the calorimeter design**

Speaker

Jean-Claude Brient

09:20–09:40

Fast Hadron Shower Simulation using Kernel Density Estimators with the CALICE AHCAL Prototype

Speaker

Andre Wilhahn

09:40–10:00

Software compensation in a highly granular calorimeter with a convolutional neural network

Speakers

Xin XIA, xiaxin-ihep Xia

10:00–10:20

APRIL Particle Flow

Speaker

Tanguy PASQUIER

10:20–10:40

Testbeam data processing in Key4hep

Speaker

Fangyi Guo

10:40

11:00

WG1 Plenary: Session II

Session | **Location:** Faculty of Engineering, Room 140/3

11:00–11:20

Particle Flow reconstruction at the Muon Collider

Speaker

Lisa Generoso

11:20–11:40

Impact of timing in calorimeters at future Higgs factories experiments with ML for JER and pattern recognition

Speakers

Bohdan Dudar, Hao Liang, Ulrich Einhaus

11:40–12:00

Machine Learning based hadron identification with highly-granular calorimeters

Speaker

Andrea De Vita

12:00–12:20

Semi-Digital read-out for MPGD-HCAL with Machine Learning techniques

Speaker

Lisa Generoso

12:20–12:40

Exploring DHCAL design and performance with graph neural networks

Speaker

Maryna Borysova

12:40