

Session Program

Sep 25 - 29, 2023

16th Topical Seminar on Innovative Particle and Radiation Detectors (IPRD23)

Session 14

Siena (Italy)

Thu, September 28

11:00 AM

Session 14: Software and ML

Session | **Location:** Siena (Italy) | **Convener:** Andrea Perrotta

11:00 – 11:20 AM

Hit position reconstruction with Resistive Silicon Detectors (RSDs) using Machine Learning techniques

Speaker

Federico Siviero

11:20 – 11:40 AM

Identification of Atmospheric Neutrinos in JUNO with Machine Learning

Speaker

Fanrui Zeng

11:40 AM – 12:00 PM

Pipeline for performance evaluation of flavour tagging dedicated Graph Neural Network algorithms

Speaker

Greta Brianti

12:00 – 12:20 PM

Design and optimization of a MPGD-based HCAL for a future experiment at Muon Collider

Speaker

Anna Stamerra

12:20 – 12:40 PM

Radiation damage effects in the ATLAS Pixel detector: how to inject a new digitization model in ATLAS MC to describe/improve the Run 3 data and exploit radiation damage studies to anticipate operation and performance limitations

Speaker

Marcello Bindi

12:50 PM