

Session Program

Sep 9 - 13, 2024



XVII Conference on Resistive Plate Chambers and Related Detectors

Physics and simulations (part I)

Thu, September 12

9:00 AM

Physics and simulations (part I)

Session | Location:

09:00 - 09:30 **Discharges in Gaseous Detectors: a view from MPGD experience**

Speaker

Piotr Gasik

09:30 - 09:50

Studies on electron swarms and streamer discharges in environmentally friendly RPC gas mixtures under LHC-like conditions

Speaker

Saša Dujko

09:50 - 10:10

Improved streamer inception criterion to numerically estimate streamer probabilities of resistive plate chambers for environmentally friendly gas mixture alternatives

Speaker

Dario Stocco

10:10 - 10:30

Utilizing open-source toolkits for the simulation of avalanche formation and space-charge effects in Resistive Cylindrical Chambers

Speaker

Elton Shumka

10:30 - 10:50

Microscopic and fluid modelling of RPCs under LHC-like conditions

Speaker

Dr Danko Bošnjaković

10:50 - 11:10

Advancements in Simulating C₃H₂F₄-Based Gas Mixtures for Resistive Plate Chambers

Speaker

Dr Antonio Bianchi

11:10 AM