



# XVII Conference on Resistive Plate Chambers and Related Detectors

## Thursday 12 September 2024

### Physics and simulations (part I) (09:00 - 11:10)

time	[id] title	presenter
09:00	[169] Discharges in Gaseous Detectors: a view from MPGD experience	GASIK, Piotr
09:30	[44] Studies on electron swarms and streamer discharges in environmentally friendly RPC gas mixtures under LHC-like conditions	DUJKO, Saša
09:50	[2] Improved streamer inception criterion to numerically estimate streamer probabilities of resistive plate chambers for environmentally friendly gas mixture alternatives	STOCCO, Dario
10:10	[42] Utilizing open-source toolkits for the simulation of avalanche formation and space-charge effects in Resistive Cylindrical Chambers	SHUMKA, Elton
10:30	[45] Microscopic and fluid modelling of RPCs under LHC-like conditions	Dr BOŠNJAKOVIĆ, Danko
10:50	[84] Advancements in Simulating C <sub>3</sub> H <sub>2</sub> F <sub>4</sub> -Based Gas Mixtures for Resistive Plate Chambers	Dr BIANCHI, Antonio