

Session Program

19-21 Jun 2023

RD51 Collaboration Meeting

***WG4 - Modelling of Physics Processes and
Software Tools***

CERN, 6/2-024 - BE Auditorium Meyrin

Tuesday 20 June

09:00

WG4 - Modelling of Physics Processes and Software Tools

Session | **Location:** CERN, 40/S2-C01 - Salle Curie | **Conveners:** Piet Verwilligen, Rob Veenhof, Ozkan Sahin

09:00-09:20 **An overview on REST-for-Physics software project status.**

Speaker

Javier Galan Lacarra

09:20-09:40

Ion mobility in a MicroMegas detector: a puzzle between measurement and simulation

Speaker

Djunes Janssens

09:40-10:00

Summary of ETH HVL-CERN workshop & project status

Speaker

Dario Stocco

10:00-10:20

Space charge effects in a small TPC due to the passage of highly ionizing charged particles

Speakers

Supratik Mukhopadhyay, pralay das

10:30-10:45

coffee break

10:45-11:05

Update on Parallelization of Garfield++

Speakers

Konstantinos Nikolopoulos, Mark William Slater, Tom Neep

11:05-11:35

Parallelization of Garfield++ and neBEM to simulate space charge effects in RPCs

Speakers

Supratik Mukhopadhyay, Tanay Dey

11:35-11:55

Simulating MRPC with Garfield++

Speaker

Djunes Janssens

12:00-12:30

Discussion on DRD1 WG4 Simulation and detector modelling

12:30