

Session Program

4-8 Dec 2023

RD51 Collaboration Meeting

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

CERN, 40/S2-D01 - Salle Dirac

Wednesday 6 December

09:00

WG4 - Modelling of Physics Processes and Software Tools

Session | **Location:** CERN, 31/3-004 - IT Amphitheatre | **Conveners:** Rob Veenhof, Piet Verwilligen, Ozkan Sahin

09:00-09:20 **Measurement and Extraction of R134a and HFO1234ze cross sections**

Speakers

Dario Stocco, Marnik Metting van Rijn, Marnik Metting van Rijn

09:30-09:50 **Survey of non-equilibrium effects in Electron drift and avalanches**

Speaker

Ibrahim A.M. Alsamak

10:00-10:20

Hybrid Garfield++ simulations of GEM detectors for tokamak plasma radiation monitoring

Speaker

Michal Adam Jagielski

10:30-10:50 **coffee break**

10:50-11:10 **Numerical studies of alpha particle tracking in a small TPC**

Speaker

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11:15-11:35 **Modelling the response of a TPC with optical readout**

Speaker

Pietro Meloni

11:40-12:00

Simulation and Reconstruction of Charged Particle Trajectories in a Time Projection Chamber with Orthogonal Fields

Speaker

Martin Vavřík

12:05-12:25 **GEM detectors under high rate at Jefferson Lab**

Speaker

Xinzhan Bai

12:30-12:35 **Short Magboltz update (11.18)**

Speakers

Stephen Biagi, Stephen Biagi

12:40-13:00

WG2 spill-over: Performance of u-RWELL detectors for the IDEA experiment at FCC_ee

Speaker

Marco Poli Lener

13:00