

## **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

pralay das

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