

Session Program

17-21 Jun 2024

**2nd DRD1 Collaboration Meeting & Topical
Workshop on Electronics for Gaseous
Detectors**

Working Group 3: Gas and material studies

CERN, 13/2-005

Tuesday 18 June

14:00

Working Group 3: Gas and material studies

Session | **Location:** CERN, 593/R-010 - Salle 11 | **Conveners:**

Beatrice Mandelli, Gabriele Morello, Francesco Renga, Alessandra Pastore, Barbara Alvarez Gonzalez, Stefan Roth, Davide Piccolo

14:00–14:10 Introduction

Speakers

Alessandra Pastore, Barbara Alvarez Gonzalez, Beatrice Mandelli, Davide Piccolo, Francesco Renga, Gianfranco Morello, Stefan Roth

14:10–14:40 Set-ups for gas properties characterization

Speaker

Filomena Pinto dos Santos

14:40–15:05 Studies on absorption of methane with zeolite material

Speaker

Francesco Angiulli

15:05–15:30

Irradiation effects on GEM detectors operated at RUN1 and RUN2 at the LHCb experiment

Speaker

Marco Poli Lener

15:30–15:55

Stability study of GEM detector and Performance study of a new RPC prototype

Speaker

Dr Saikat Biswas

15:55–16:25 Coffee break

16:25–16:50 Studies of RPCs with gallium-arsenide electrodes

Speaker

Alessandro Rocchi

16:50–17:15 Raspberry PICO and IoT for RPC chamber slow control

Speaker

Laurent Mirabito

17:15–17:35

Search for Eco-friendly molecules producing .F and F- during the degradation in gaseous detectors by using quantum-chemical calculation

Speakers

Dr Jelena Jovanovic, Nebojsa Begovic

18:00