



# Mini-Workshop on gas transport parameters for present and future generation of experiments

## Thursday 22 April 2021

### Status of measurements of alternative gases for large experiments (11:30 - 13:00)

-Conveners: Roberto Guida

time	[id] title	presenter
11:30	[2] Tetrafluoropropene-based gas mixtures for Resistive Plate Chambers: an experimental and simulation study	BIANCHI, Antonio
11:45	[3] Characterization of new eco friendly gas mixtures for RPCs mainly based on HFO	PROTO, Giorgia
12:00	[11] LNF Test results of Resistive Plate Chambers operated with eco-friendly gas mixtures for application in the CMS experiment	PICCOLO, Davide
12:15	[4] Studies on RPC operation with low GWP gases	RIGOLETTI, Gianluca
12:30	[5] Overview of RPC operation with HFO-CO <sub>2</sub> based mixtures at the GIF++ facility	RIGOLETTI, Gianluca ECOGAS@GIF++ FOR RPC DETECTOR COLLABORATION
12:45	[23] Discussion	

### Status of measurements of alternative gases for large experiments (14:30 - 15:45)

time	[id] title	presenter
14:30	[8] Strategies for the reduction of the C <sub>2</sub> H <sub>2</sub> F <sub>4</sub> emission in the MRPC array of the EEE experiment	ABBRESCIA, Marcello ABBRESCIA, Marcello PANETTA, Maria Paola
14:45	[9] Searches for CF <sub>4</sub> replacement for the CSC gas mixture	KUZNETSOVA, Katerina
15:00	[10] Options for alternate radiators in LHCb-RICH system	EASO, Sajan
15:15	[7] Gas mixture considerations for the CBM TOF system	DEPPNER, Ingo-Martin
15:30	[6] Towards Sealed Resistive Plate Chambers	VIEIRA LOPES, Luis Alberto LOPES, Luis