

Session Program

24-28 May 2021

TIPP 2021

Sensor Posters: Gaseous Detectors

Tuesday 25 May

05:00

Sensor Posters: Gaseous Detectors: Tuesday Early

Poster Session

Neutron spectroscopy with a nitrogen-filled large-volume spherical proportional counter at high pressure

Speaker

Dr Ioannis Manthos

Neutrino-hydrogen interactions with a high-pressure time projection chamber

Speaker

Philip Hamacher-Baumann

GEM detectors for the upgrade of the CMS Muon Spectrometer

Speaker

Dr Shivali Malhotra

Recent results on low-pressure Time Projection Chamber for Accelerator Mass Spectrometry

Speaker

Tamara Shakirova

Hybrid high pressure TPC developments in measurements and simulations

Speaker

Alexander Deisting

Performance of the Multigap Resistive Plate Chambers of the Extreme Energy Events Project

Speaker

Cristina Ripoli

Numerical Evaluation of Electric Field and Dark Current of Resistive Plate Chamber

Speaker

Mr Subhendu Das

Construction of an RPC using additive manufacturing technology

Speaker

Stefano Colafranceschi

Options for gain elements and gas mixtures in a high rate EIC Time Projection Chamber

Speaker

Nik Smirnov

Development of THGEM-based detectors for Nuclear Fission Studies

Speaker

Dr Purba Bhattacharya

Characterization and Calibration of a Triple-GEM Detector for Medical Dosimetry

Speaker

Andrea Velasquez Moros

Development of a fast simulator for GEM-based neutron detectors**Speaker**

Renan Felix dos Santos

A Wire Tension Analyzing Instrument for Particle Physics Detectors**Speaker**

Chris Stanford

Absolute primary scintillation yield in Xe for electrons and alpha particles**Speaker**

Dr Carlos Henriques

GEM foil characterization in cost-effective, and efficient way and attempt made to use it as an imaging detector**Speaker**

Asar Ahmed

Improved Resistive Plate Chambers for the upgrade of the CMS muon detector**Speaker**

Amrutha Samalan

New studies on the rate capability of resistive gaseous detectors**Speaker**

Marcello Abbrescia

Time and band-resolved scintillation studies in high pressure xenon**Speaker**

Ms Sara Leardini

Development of Micromegas detectors with high radio-purity and energy-resolution using a thermal bonding method for the PandaX-III experiment**Speaker**

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Studies of charging up in THGEMs**Speakers**

Ms Promita Roy, Prof. Supratik Mukhopadhyay

Micromegas with high-granularity readout: stability and performance at high particle rates**Speaker**

Stefano Franchellucci

Hydrodynamic simulation studies on avalanche and streamer formation in GEM detector**Speakers**

Prof. Supratik Mukhopadhyay, Mr Prasant Kumar Rout

CMS RPC upgrade program

Speaker
Felipe Silva

Radiation Background estimation for the GE1/1 Triple-GEM detector in the CMS endcap

Speaker
Sunil Kumar

High rate capability studies of triple-GEM detectors for the ME0 upgrade of the CMS Muon spectrometer

Speaker
Dr Francesco Fallavollita

Studies on impurities and F-radicals production in gaseous detectors operated with Freon based gas mixtures at LHC Experiments

Speaker
Mara Corbetta

05:30