

Workshop on Advanced Radiation Detector and Instrumentation in Nuclear and Particle Physics (Online)

Monday 25 October 2021

Oral presentations - Online (10:30 - 11:10)

-Conveners: Anju Bhasin

time	[id] title	presenter
10:30	[66] Comparative study of position resolution and gain map of Single and Double GEM	Mr KUMAR, Vishal
10:50	[51] Charging up effect in triple GEM detector	Mr CHATTERJEE, Sayak

Oral presentations - Online (12:20 - 13:00)

-Conveners: Anand Kumar Dubey

time	[id] title	presenter
12:20	[71] Simulations of multi-layer GEM systems from single to quadruple GEMs	JUNG, Ae Ra
12:40	[53] Numerical Evaluation of Resistive Plate Chamber	Mr DAS, Subhendu

Oral presentations - Online (16:10 - 17:10)

-Conveners: Renu Bala

time	[id] title	presenter
16:10	[48] Gain uniformity of a quad-GEM detector at different gas flowrates	BHATTACHARYYA, Rupamoy
16:30	[69] Charging up studies in thick Gas Electron Multipliers	Ms ROY, Promita
16:50	[62] A Simulation of Primary Ionization for Different Gas Mixtures	Dr R., Kanishka

Tuesday 26 October 2021**Oral presentations - Online (10:30 - 11:10)****-Conveners: Bedangadas Mohanty**

time	[id] title	presenter
10:30	[49] Bakelite RPC with and without linseed oil coating	SEN, arindam
10:50	[54] In Search of an Eco-friendly Gas Mixture for Avalanche Mode Operation of RPC	Dr DATTA, Jaydeep Mr TRIPATHY, Sridhar

Oral presentations - Online (12:20 - 13:00)**-Conveners: Kirti Ranjan**

time	[id] title	presenter
12:20	[73] Charge Collection properties of Double Sided Germanium Strip Detector	SHARMA, Arzoo
12:40	[63] Straw Tube Studies and Prototype Assembly for DUNE	SHARMA, Prachi

Oral presentations - Online (16:10 - 17:10)**-Conveners: heinz graafsma**

time	[id] title	presenter
16:10	[75] Gamma-ray imaging applications of position-sensitive fast scintillators	Mr DAS, Biswajit
16:30	[52] Development of an air shower array using plastic scintillators	ROY, Shreya
16:50	[55] Investigation on thermal performance of low temperature multilayer insulation technique for ground based rare physics programs.	Ms SINGH, D.

Wednesday 27 October 2021**Oral presentations - Online (10:30 - 11:10)****-Conveners: Chandana Bhattacharya**

time	[id] title	presenter
10:30	[76] Study of neutron response using time of flight technique in ISMRAN detector.	Mr DEY, Roni
10:50	[72] A THGEM based low pressure gas detector for the detection of fission fragments	Mr SEN, Arijit

Oral presentations - Online (12:20 - 13:00)**-Conveners: Gagan Mohanty**

time	[id] title	presenter
12:20	[68] FPGA based high speed DAQ systems for high-energy physics experiments: potential challenges	Dr KHAN, Shuaib Ahmad
12:40	[60] Designing a front end digital pulse processing chain for FAIR CBM experiment using FPGAs	SINGH, Abhishek

Oral presentations - Online (16:10 - 17:10)**-Conveners: Stefania Maria Beole**

time	[id] title	presenter
16:10	[64] Numerical Studies on Primary Ionization in TPC	Mr DAS, PRALAY
16:30	[59] Simulating the response of a liquid scintillation detector to neutrons	Mr DAS, S.
16:50	[1] Monte Carlo simulations for nuclear physics experiments using NPTool	MAITY, Subhankar

Thursday 28 October 2021**Oral presentations - Online (10:30 - 11:10)****-Conveners: Vipin Bhatnagar**

time	[id] title	presenter
10:30	[45] Commissioning and testing of real-size triple GEM prototypes for CBM-MuCh in the mCBM experiment at SIS18 facility of GSI	Mr KUMAR, Ajit
10:50	[67] Upgradation of CMS Detector at the LHC with GEM Detector	KAUR, Harjot

Oral presentations - Online (12:20 - 13:00)**-Conveners: Sanjib Muhuri**

time	[id] title	presenter
12:20	[86] Development of silicon detector and readout electronics for the FoCal	Mr MUKHOPADHYAY, Sourav
12:40	[91] Concept and development of the Focussing Aerogel Ring Imaging Cherenkov (FARICH) detector for HMPID-systems	MAKAROV, Aleksei

Oral presentations - Online (16:40 - 17:20)**-Conveners: Satya Ranjan Santra**

time	[id] title	presenter
16:40	[70] Detectors for light charged particles, neutrons and fission fragments produced in low energy nuclear physics experiments	PAL, Asim

Friday 29 October 2021**Oral presentations - Online (10:30 - 11:10)****-Conveners: Sandeep Ghugre**

time	[id] title	presenter
10:30	[57] Exploring the Superheated Liquid Detector for Low-Mass Dark Matter Search	Ms SAHOO, Sunita
10:50	[65] Characterization of Sapphire detector for CEvNS search at MINER	Ms CHAUDHURI, Mouli

Oral presentations - Online (12:20 - 13:00)**-Conveners: Subhasis Chattopadhyay**

time	[id] title	presenter
12:20	[74] Application of MPGD detector in Medical Imaging and Treatment	Mr KUMAR, Sunil
12:40	[61] Effect of Continuous Long Term Exposure of Non-ionising Radiation on Human Health	KAUSHIK, Rahul

Oral presentations - Online (14:00 - 14:40)**-Conveners: Indranil Mazumdar**

time	[id] title	presenter
14:00	[56] Discrimination of neutrons and gamma-rays induced events in Superheated Emulsion Detector	Mr ALI, Suraj
14:20	[85] A Compact and Cost effective Data Acquisition Module (C-DAQ) for Particle physics instrumentation	ELANGO VAN, Yuvaraj SARAF, Mandar