

**15th Topical Seminar on
Innovative Particle and
Radiation Detectors (IPRD19)**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Poster session - Wine & Cheese

Contribution ID: 2

Type: **not specified**

Welcome address

Monday 14 October 2019 09:00 (10 minutes)

Presenter: NAVARRIA, Francesco (Universita e INFN, Bologna (IT))

Session Classification: IPRD19

Contribution ID: 3

Type: **not specified**

Optimisation of a silicon microstrip telescope for UA9 crystal channeling studies

Monday 14 October 2019 09:10 (20 minutes)

Presenter: HALL, Geoff (Imperial College (GB))

Session Classification: IPRD19

Contribution ID: 4

Type: **not specified**

Detectors for antideuteron search in cosmic rays: current status and new ideas

Monday 14 October 2019 09:30 (20 minutes)

Presenter: DIMICCOLI, Francesco (Universita degli Studi di Trento è INFN (IT))

Session Classification: IPRD19

Contribution ID: 5

Type: **not specified**

Tracking detector for high performance cosmic muon imaging

Monday 14 October 2019 09:50 (20 minutes)

Presenter: VARGA, Dezso (Hungarian Academy of Sciences (HU))

Session Classification: IPRD19

Contribution ID: 6

Type: **not specified**

50 ps timing with SiGe Bi-CMOS monolithic pixel sensors

Monday 14 October 2019 10:10 (20 minutes)

Presenter: IACOBUCCI, Giuseppe (Universite de Geneve (CH))

Session Classification: IPRD19

Contribution ID: 7

Type: **not specified**

A portable muon telescope based on small and gas-tight Resistive Plat Chambers

Monday 14 October 2019 11:00 (15 minutes)

Presenter: BASNET, Samip (Louvain)

Session Classification: IPRD19

Contribution ID: 8

Type: **not specified**

Monitoring the long-term stability of civil buildings through the MRPC telescopes of the EEE Project

Monday 14 October 2019 11:15 (15 minutes)

Presenter: PINTO, Chiara (INFN and University of Catania)

Session Classification: IPRD19

Contribution ID: 9

Type: **not specified**

Muon radiography applied to volcanoes imaging: the MURAVES experiment at Mt. Vesuvius

Monday 14 October 2019 11:30 (15 minutes)

Presenter: D'ERRICO, Mariaelena (Universita e INFN, Napoli (IT))

Session Classification: IPRD19

Contribution ID: **10**

Type: **not specified**

Development of Sealed MRPC with extremely low gas flow for muon tomography

Monday 14 October 2019 11:45 (20 minutes)

Presenter: CHEN, Xialong (Tsinghua University)

Session Classification: IPRD19

Contribution ID: 11

Type: **not specified**

Imaging by muons and their induced secondary particles –a novel technique

Monday 14 October 2019 12:05 (20 minutes)

Presenter: GALGOCZI, Gabor (Hungarian Academy of Sciences (HU))

Session Classification: IPRD19

Contribution ID: 12

Type: **not specified**

Multidisciplinary applications of muon radiography using the MIMA detector

Monday 14 October 2019 12:25 (20 minutes)

Presenter: BONECHI, Lorenzo (Istituto Nazionale di Fisica Nucleare (INFN))

Session Classification: IPRD19

Contribution ID: 13

Type: **not specified**

Positron Emission Tomography: alive and kicking after more than 65 years on stage

Monday 14 October 2019 14:15 (25 minutes)

Presenter: DEL GUERRA, alberto (University of Pisa)

Session Classification: IPRD19

Contribution ID: 14

Type: **not specified**

First characterization of a new Silicon Carbide detector for dosimetric applications

Monday 14 October 2019 14:40 (20 minutes)

Presenter: PETRINGA, Giada (LNS)

Session Classification: IPRD19

Contribution ID: 15

Type: **not specified**

Evaluation and Simulation of Breast Cancer Imaging Devices

Monday 14 October 2019 15:00 (20 minutes)

Presenter: UZUN OZSAHIN, Dilber

Session Classification: IPRD19

Contribution ID: 16

Type: **not specified**

Two asymmetric detectors define a novel MBI system for the breast cancer imaging

Monday 14 October 2019 15:20 (20 minutes)

Presenter: POMA, Gaetano Elio (INFN - National Institute for Nuclear Physics)

Session Classification: IPRD19

Contribution ID: 17

Type: **not specified**

Intercalibration and comparative tests of 3D diamond and diamond on iridium detectors for medical dosimetry

Monday 14 October 2019 15:40 (20 minutes)

Presenter: Dr KANXHERI, Keida (INFN - National Institute for Nuclear Physics)

Session Classification: IPRD19

Contribution ID: **18**

Type: **not specified**

Explore the lifetime frontier with MATHUSLA

Monday 14 October 2019 16:30 (20 minutes)

Presenter: ALPIGIANI, Cristiano

Session Classification: IPRD19

Contribution ID: **19**

Type: **not specified**

On MAPS-On-Diamond sensors and their potential as innovative devices

Monday 14 October 2019 16:50 (20 minutes)

Presenter: SERVOLI, Leonello (Universita e INFN, Perugia (IT))

Session Classification: IPRD19

Contribution ID: 20

Type: **not specified**

Pixelated Resistive Bulk Micromegas for tracking systems in High Rate environment

Monday 14 October 2019 17:10 (20 minutes)

Presenter: ALVIGGI, Mariagrazia (Universita e sezione INFN di Napoli (IT))

Session Classification: IPRD19

Contribution ID: 21

Type: **not specified**

Modeling Radiation Damage to Pixel Sensors in the ATLAS Detector

Wednesday 16 October 2019 09:00 (15 minutes)

Presenter: LARI, Tommaso (University and INFN, Milano)

Session Classification: IPRD19

Contribution ID: 22

Type: **not specified**

The CMS Outer Tracker Upgrade for the High Luminosity LHC upgrade

Monday 14 October 2019 17:30 (15 minutes)

Presenter: LA ROSA, Alessandro (CERN)

Session Classification: IPRD19

Contribution ID: 23

Type: **not specified**

Performances of highly irradiated 3D and planar pixel sensors interconnected to RD53A readout chip

Wednesday 16 October 2019 09:15 (15 minutes)

Presenter: CECCARELLI, Rudy (Universita e INFN, Firenze (IT))

Session Classification: IPRD19

Contribution ID: 24

Type: **not specified**

Evaluation of the counting efficiency of a pcCVD diamond detector irradiated by 62 MeV/u carbon beams

Wednesday 16 October 2019 09:30 (20 minutes)

Presenter: SCHIRRU, Fabio (GSI, Darmstadt)

Session Classification: IPRD19

Contribution ID: 25

Type: **not specified**

The Upgrade of LHCb VELO

Monday 14 October 2019 17:45 (20 minutes)

Presenter: KOPCIEWICZ, Pawel (AGH University of Science and Technology (PL))

Session Classification: IPRD19

Contribution ID: 26

Type: **not specified**

Development of a 300 m fully-depleted monolithic active pixel sensor in standard 110 nm CMOS technology

Monday 14 October 2019 18:05 (15 minutes)

Presenter: GIAMPAOLO, Raffaele Aaron (INFN - National Institute for Nuclear Physics)

Session Classification: IPRD19

Contribution ID: 27

Type: **not specified**

HVMUX, High Voltage Multiplexing biasing for the ATLAS Strip Tracker Upgrade

Monday 14 October 2019 18:20 (15 minutes)

Presenter: VILLANI, Giulio (Rutherford Appleton Laboratory)

Session Classification: IPRD19

Contribution ID: 28

Type: **not specified**

The CT-PPS tracking system: performance in LHC-Run2 and prospects for LHC-Run3

Monday 14 October 2019 18:35 (15 minutes)

Presenter: OBERTINO, Maria Margherita (Universita e INFN Torino (IT))

Session Classification: IPRD19

Contribution ID: 29

Type: **not specified**

In-deep studies of time performance of the PICOSEC-Micromegas detector concept

Tuesday 15 October 2019 09:00 (18 minutes)

Presenter: SOHL, Lukas (Université Paris-Saclay (FR))

Session Classification: IPRD19

Contribution ID: **30**

Type: **not specified**

Final performances of the NA62 RICH detector

Tuesday 15 October 2019 19:15 (5 minutes)

Presenter: LENTI, Massimo (Universita e INFN, Firenze (IT))

Session Classification: IPRD19

Contribution ID: 31

Type: **not specified**

Beam-tests of CMS High Granularity Calorimeter prototypes at CERN

Tuesday 15 October 2019 19:20 (5 minutes)

Presenter: BONANOMI, Matteo (Centre National de la Recherche Scientifique (FR))

Session Classification: IPRD19

Contribution ID: 32

Type: **not specified**

Precision Timing with LYSO:Ce Crystals & SiPM Sensors in the CMS MTD Barrel Timing Layer

Tuesday 15 October 2019 09:18 (18 minutes)

Presenter: MALBERTI, Martina (Universita & INFN, Milano-Bicocca (IT))

Session Classification: IPRD19

Contribution ID: 33

Type: **not specified**

The operational experience, challenges and performance of the ATLAS Semiconductor Tracker during LHC Run-2

Tuesday 15 October 2019 19:25 (5 minutes)

Presenter: SOHNS, Fabian (Georg August Universitaet Goettingen (DE))

Session Classification: IPRD19

Contribution ID: 34

Type: **not specified**

Design and Performance Evaluation of an Adjustable-FOV PET Scanner

Tuesday 15 October 2019 19:30 (5 minutes)

Presenter: OZSAHIN, Ilker

Session Classification: IPRD19

Contribution ID: 35

Type: **not specified**

Optical Transparent Ceramic Scintillators for High Performance Brain PET

Tuesday 15 October 2019 19:50 (5 minutes)

Presenter: OZSAHIN, Ilker

Session Classification: IPRD19

Contribution ID: 36

Type: **not specified**

Precision Timing with Low Gain Avalanche Detectors in the CMS MTD Endcap Timing Layer

Tuesday 15 October 2019 09:36 (18 minutes)

Presenter: COSTA, Marco (Universita e INFN Torino (IT))

Session Classification: IPRD19

Contribution ID: 37

Type: **not specified**

The Micromegas chambers for the ATLAS New Small Wheel upgrade

Tuesday 15 October 2019 09:54 (18 minutes)

Presenter: DEDOVICH, Dmitri (Joint Institute for Nuclear Research (JINR))

Session Classification: IPRD19

Contribution ID: **38**

Type: **not specified**

Upgrade of the Resistive Plate Chamber detector for the high-background environments

Tuesday 15 October 2019 10:12 (18 minutes)

Presenter: PIZZIMENTO, Luca (INFN e Universita Roma Tor Vergata (IT))

Session Classification: IPRD19

Contribution ID: 39

Type: **not specified**

Upgrade of the CMS electromagnetic calorimeter for precision timing and energy measurement at the High Luminosity phase of the LHC

Tuesday 15 October 2019 11:00 (20 minutes)

Presenter: ARGIRO, Stefano (Universita di Torino and INFN (IT))

Session Classification: IPRD19

Contribution ID: 40

Type: **not specified**

Overview of latest developments in the CMS HGCALE upgrade project

Tuesday 15 October 2019 11:20 (20 minutes)

Presenter: ALYARI, Maral (Fermi National Accelerator Lab. (US))

Session Classification: IPRD19

Contribution ID: 41

Type: **not specified**

Study of Future 3D Calorimetry Based on LYSO or LaBrCe Crystals for High Energy Precision Physics

Tuesday 15 October 2019 11:40 (15 minutes)

Presenter: SCHWENDIMANN, Patrick (PSI)

Session Classification: IPRD19

Contribution ID: 42

Type: **not specified**

A shashlyk Electromagnetic calorimeter system for NICA-MPD

Tuesday 15 October 2019 11:55 (20 minutes)

Presenter: LI, Yulei

Session Classification: IPRD19

Contribution ID: 43

Type: **not specified**

Electromagnetic Data Libraries: recent evolutions and new perspectives

Tuesday 15 October 2019 12:15 (15 minutes)

Presenter: PIA, Maria Grazia (INFN e Universita Genova (IT))

Session Classification: IPRD19

Contribution ID: 44

Type: **not specified**

First results on the performance of the PADME electromagnetic calorimeter

Tuesday 15 October 2019 12:30 (15 minutes)

Presenter: PIPERNO, Gabriele

Session Classification: IPRD19

Contribution ID: 45

Type: **not specified**

Commissioning and testing of real-size triple GEM prototypes for CBM-MUCH in the mCBM experiment at SIS18 facility of GSI

Tuesday 15 October 2019 14:15 (15 minutes)

Presenter: KUMAR, Ajit (Variable Energy Cyclotron Centre)

Session Classification: IPRD19

Contribution ID: 46

Type: **not specified**

Background in the CMS muon detectors: simulation and measure with pp collision data

Tuesday 15 October 2019 14:30 (20 minutes)

Presenter: FASANELLA, Daniele (CERN)

Session Classification: IPRD19

Contribution ID: 47

Type: **not specified**

Upgrade to the CMS Cathode-Strip-Muon System for the HL-LHC

Tuesday 15 October 2019 14:50 (20 minutes)

Presenter: MANGANELLI, Nick (University of California Riverside (US))

Session Classification: IPRD19

Contribution ID: 48

Type: **not specified**

Study of the Effects of Radiation at the CERN Gamma Irradiation Facility on the CMS Drift Tubes Muon Detector for the HL-LHC

Tuesday 15 October 2019 15:10 (15 minutes)

Presenter: ALVAREZ GONZALEZ, Barbara (Universidad de Oviedo (ES))

Session Classification: IPRD19

Contribution ID: 49

Type: **not specified**

Advance studies performed on triple-GEM detector built using commercially manufactured foils

Tuesday 15 October 2019 15:25 (15 minutes)

Presenter: GOLLA, Mohit (University of Delhi (IN))

Session Classification: IPRD19

Contribution ID: 50

Type: **not specified**

Aging Studies of Triple-GEM detectors for future upgrades of the CMS endcap muon system at the HL-LHC

Tuesday 15 October 2019 15:40 (20 minutes)

Presenter: FIORINA, Davide (Universita and INFN (IT))

Session Classification: IPRD19

Contribution ID: 51

Type: **not specified**

Developments of radiopure ZnWO₄ anisotropic scintillators and improvements of their response at keV region

Tuesday 15 October 2019 16:30 (15 minutes)

Presenter: CERULLI, Riccardo

Session Classification: IPRD19

Contribution ID: 52

Type: **not specified**

The cryogenic electronics for Dark Side SiPM readout

Tuesday 15 October 2019 16:45 (15 minutes)

Presenter: CONSIGLIO, Lucia (INFN)

Session Classification: IPRD19

Contribution ID: 53

Type: **not specified**

The BDX detector prototype for Dark Matter searches in a Beam Dump eXperiment @ JLAB

Tuesday 15 October 2019 17:00 (15 minutes)

Presenter: BONDI, Mariangela (INFN - National Institute for Nuclear Physics)

Session Classification: IPRD19

Contribution ID: 54

Type: **not specified**

KM3NeT electronics acquisition: the new version of the Central Logic Board and its related Power Board

Tuesday 15 October 2019 17:15 (15 minutes)

Presenter: VERSARI, Federico (University of Bologna)

Session Classification: IPRD19

Contribution ID: 55

Type: **not specified**

Search for Light Dark Matter with NEWS-G

Tuesday 15 October 2019 17:30 (20 minutes)

Presenter: NIKOLOPOULOS, Konstantinos (University of Birmingham (GB))

Session Classification: IPRD19

Contribution ID: 56

Type: **not specified**

Dark Matter in CCDs at Modane (DAMIC-M): a silicon detector apparatus searching for low-energy physics processes

Tuesday 15 October 2019 17:50 (20 minutes)

Presenter: LEE, Steven Juhyung (University of Zurich (CH))

Session Classification: IPRD19

Contribution ID: 57

Type: **not specified**

PandaX-III: a high pressure Xenon detector for neutrinoless double beta decay search

Tuesday 15 October 2019 18:10 (20 minutes)

Presenter: WANG, Shaobo

Session Classification: IPRD19

Contribution ID: 58

Type: **not specified**

CUPID: a new bolometric detector for rare events experiment

Tuesday 15 October 2019 18:30 (20 minutes)

Presenter: TOMEI, Claudia (INFN - National Institute for Nuclear Physics)

Session Classification: IPRD19

Contribution ID: 59

Type: **not specified**

Evolution of the design of Ultra Fast Silicon to cope with high irradiation fluences and fine segmentation

Tuesday 15 October 2019 19:55 (5 minutes)

Presenter: FERRERO, Marco (Universita e INFN Torino (IT))

Session Classification: IPRD19

Contribution ID: **60**

Type: **not specified**

The NA62 GigaTracker: a low mass high intensity beam 4D tracker with 65 ps time resolution on tracks

Tuesday 15 October 2019 20:00 (5 minutes)

Presenter: PINNA ANGIONI, Gian Luca (Universita e INFN Torino (IT))

Session Classification: IPRD19

Contribution ID: **61**

Type: **not specified**

Tracking with timing: the TIMESPOT project

Tuesday 15 October 2019 20:05 (5 minutes)

Presenter: MULARGIA, Roberto (Universita e INFN Genova (IT))

Session Classification: IPRD19

Contribution ID: **62**

Type: **not specified**

Vertex and Tracking Detector R&D for CLIC

Tuesday 15 October 2019 20:10 (5 minutes)

Presenter: WILLIAMS, Morag Jean (University of Glasgow (GB))

Session Classification: IPRD19

Contribution ID: 63

Type: **not specified**

The laser diode calibration system of the Icarus T600 detector at FNAL

Tuesday 15 October 2019 20:15 (5 minutes)

Presenter: BONESINI, Maurizio (Universita & INFN, Milano-Bicocca (IT))

Session Classification: IPRD19

Contribution ID: 64

Type: **not specified**

A UV laser test bench for gaseous detectors

Tuesday 15 October 2019 20:20 (5 minutes)

Presenter: PELLECCCHIA, Antonello (University of Bari)

Session Classification: IPRD19

Contribution ID: 65

Type: **not specified**

The DUNE Dual-Phase liquid argon TPC

Tuesday 15 October 2019 20:35 (5 minutes)

Presenter: CHARDONNET, Etienne (Centre National de la Recherche Scientifique (FR))

Session Classification: IPRD19

Contribution ID: **66**

Type: **not specified**

TCAD Silicon device simulation for high level of radiation damage

Tuesday 15 October 2019 20:40 (5 minutes)

Presenter: PAROLIA, Shubhi (INFN Sezione di Pisa, Universita' e Scuola Normale Superiore, P)

Session Classification: IPRD19

Contribution ID: 67

Type: **not specified**

The Upgrade II of LHCb VELO

Tuesday 15 October 2019 20:50 (5 minutes)

Presenter: KOPCIEWICZ, Pawel (AGH University of Science and Technology (PL))

Session Classification: IPRD19

Contribution ID: **68**

Type: **not specified**

Innovative amplifiers for muon spectroscopy experiments at RAL

Tuesday 15 October 2019 20:55 (5 minutes)

Presenter: ROSSELLA, Massimo (Universita and INFN (IT))

Session Classification: IPRD19

Contribution ID: 69

Type: **not specified**

Characterisation of a prototype light detection system with a radioactive ^{241}Am alpha source in Liquid Argon at the CERN test facility

Tuesday 15 October 2019 21:00 (5 minutes)

Presenter: RASELLI, Gian Luca (Universita and INFN (IT))

Session Classification: IPRD19

Contribution ID: 70

Type: **not specified**

Development of a Simulation Framework for Spherical Proportional Counter

Tuesday 15 October 2019 21:05 (5 minutes)

Presenter: WARD, Robert James (University of Birmingham (GB))

Session Classification: IPRD19

Contribution ID: 71

Type: **not specified**

Performance of the charged particle detectors of the PADME experiment

Tuesday 15 October 2019 19:40 (5 minutes)

Presenter: OLIVA, Federica (INFN - National Institute for Nuclear Physics)

Session Classification: IPRD19

Contribution ID: 72

Type: **not specified**

Discharge mitigation strategies for CMS Triple-GEM detectors

Tuesday 15 October 2019 19:35 (5 minutes)

Presenter: IVONE, Francesco (Universita e INFN, Bari (IT))

Session Classification: IPRD19

Contribution ID: 73

Type: **not specified**

Radiation induced degradation in a 150-nm CMOS SPADs device

Wednesday 16 October 2019 09:50 (15 minutes)

Presenter: CAMPAJOLA, marcello (INFN and University of Naples "Federico II")

Session Classification: IPRD19

Contribution ID: 74

Type: **not specified**

Neutron Damage of ATLAS Endcap alignment CCDS

Wednesday 16 October 2019 10:05 (15 minutes)

Presenter: PAZOS, Camila (Brandeis University (US))

Session Classification: IPRD19

Contribution ID: 75

Type: **not specified**

Cerium-doped Fused-Silica Fibers for Particle Physics Detectors

Wednesday 16 October 2019 10:20 (20 minutes)

Presenter: DE GUIO, Federico (Texas Tech University)

Session Classification: IPRD19

Contribution ID: 76

Type: **not specified**

ArgonCube: scalable modular approach for large LArTPCs

Wednesday 16 October 2019 11:10 (20 minutes)

Presenter: KRESLO, Igor (Universitaet Bern (CH))

Session Classification: IPRD19

Contribution ID: 77

Type: **not specified**

The ICARUS T600 detector as far detector within SBN program

Wednesday 16 October 2019 11:30 (20 minutes)

Presenter: DIWAN, Milind Vaman (Brookhaven National Laboratory (US))

Session Classification: IPRD19

Contribution ID: 78

Type: **not specified**

A comparison between scintillation light analog and digital trigger for large volume Liquid Argon Time Projection Chambers

Wednesday 16 October 2019 11:50 (15 minutes)

Presenter: RASELLI, Gian Luca (Universita and INFN (IT))

Session Classification: IPRD19

Contribution ID: 79

Type: **not specified**

LiquidO: Novel Opaque Neutrino Detection Technology

Wednesday 16 October 2019 12:05 (20 minutes)

Presenter: DUSINI, Stefano (INFN Padova)

Session Classification: IPRD19

Contribution ID: **80**

Type: **not specified**

Decay tunnel instrumentation for the ENUBET neutrino beam

Wednesday 16 October 2019 12:25 (15 minutes)

Presenter: MASCAGNA, Valerio (Universita & INFN, Milano-Bicocca (IT))

Session Classification: IPRD19

Contribution ID: **81**

Type: **not specified**

The Detectors of the Mu2e Experiment

Wednesday 16 October 2019 12:40 (20 minutes)

Presenter: GIOVANNELLA, Simona (Laboratori Nazionali di Frascati (LNF))

Session Classification: IPRD19

Contribution ID: 82

Type: **not specified**

Qualification of a compact neutron detector based on SiPM

Wednesday 16 October 2019 14:30 (20 minutes)

Presenter: SANTORO, Romualdo (CERN)

Session Classification: IPRD19

Contribution ID: 83

Type: **not specified**

Development of gamma insensitive Silicon Carbide diagnostics to qualify intense thermal neutron fields

Wednesday 16 October 2019 14:50 (20 minutes)

Presenter: SANS PLANELL, Oriol (Universita e INFN Torino (IT))

Session Classification: IPRD19

Contribution ID: 84

Type: **not specified**

LaBr3:Ce crystals with SiPM array readout and temperature control for the FAMU experiment at RAL

Wednesday 16 October 2019 15:10 (15 minutes)

Presenter: BONESINI, Maurizio (Universita & INFN, Milano-Bicocca (IT))

Session Classification: IPRD19

Contribution ID: 85

Type: **not specified**

Use of Silicon Photomultiplier to directly detect X-ray

Wednesday 16 October 2019 15:25 (20 minutes)

Presenter: FIANDRINI, Emanuele (Universita e INFN, Perugia (IT))

Session Classification: IPRD19

Contribution ID: **86**

Type: **not specified**

New CAEN R&D for power supplies and data acquisition systems

Wednesday 16 October 2019 16:30 (20 minutes)

Presenter: Dr GIORDANO, Ferdinando

Session Classification: IPRD19

Contribution ID: 87

Type: **not specified**

Reliability studies for the Switching Core Board of the White Rabbit Switch: FIDES and Highly Accelerated test

Wednesday 16 October 2019 16:50 (20 minutes)

Presenter: MUSICO, Paolo (INFN e Universita Genova (IT))

Session Classification: IPRD19

Contribution ID: **88**

Type: **not specified**

New ideas on possible detectors for Dark Matter

Wednesday 16 October 2019 17:10 (15 minutes)

Presenter: GUARISE, Marco (Universita e INFN, Ferrara (IT))

Session Classification: IPRD19

Contribution ID: **89**

Type: **not specified**

HAWC's-Eye a novel Imaging Atmospheric Telescope

Wednesday 16 October 2019 18:00 (20 minutes)

Presenter: ALFARO MOLINA, Jose Ruben (Universidad Nacional Autonoma (MX))

Session Classification: IPRD19

Contribution ID: **90**

Type: **not specified**

Beam tests of a prototype of the Radiation Hard Electron Monitor to be flown in the JUICE mission

Wednesday 16 October 2019 18:20 (20 minutes)

Presenter: PINTO, Marco (LIP)

Session Classification: IPRD19

Contribution ID: **91**

Type: **not specified**

Digitized Waveform Signal Processing for Fast Timing

Thursday 17 October 2019 09:00 (18 minutes)

Presenter: Dr WHITE, Sebastian (University of Virginia (US))

Session Classification: IPRD19

Contribution ID: 92

Type: **not specified**

The CMS Precision Proton Spectrometer timing system: performance in Run 2, future upgrades and sensor radiation hardness studies

Thursday 17 October 2019 09:18 (18 minutes)

Presenter: BOSSINI, Edoardo (CERN & INFN-Pisa (IT))

Session Classification: IPRD19

Contribution ID: 93

Type: **not specified**

Hydrogenated amorphous silicon dectectors for particle detection, beam flux monitoring and dosimetry in high-dose radiation environment

Thursday 17 October 2019 09:36 (18 minutes)

Presenter: MENICHELLI, Mauro (Universita e INFN, Perugia (IT))

Session Classification: IPRD19

Contribution ID: 94

Type: **not specified**

Low energy nuclei detection with ALPIDE detector

Thursday 17 October 2019 09:54 (18 minutes)

Presenter: RICCI, Ester (Universita degli Studi di Trento and INFN (IT))

Session Classification: IPRD19

Contribution ID: 95

Type: **not specified**

A multichannel front-end readout ASIC for high flux and high time resolution applications with UFSD

Thursday 17 October 2019 10:12 (18 minutes)

Presenter: OLAVE, Elias Jonhatan (Universita e INFN Torino (IT))

Session Classification: IPRD19

Contribution ID: 96

Type: **not specified**

Dosimetric approaches for flash radiotherapy beams

Thursday 17 October 2019 11:15 (20 minutes)

Presenter: CIRRONE, Pablo

Session Classification: IPRD19

Contribution ID: 97

Type: **not specified**

First Prototype of a Solid-State Imaging Probe for Radio-Guided Surgery

Thursday 17 October 2019 11:35 (20 minutes)

Presenter: SULAJ, Arta (Universita degli studi di Siena (IT))

Session Classification: IPRD19

Contribution ID: 98

Type: **not specified**

Characterization of monolithic GAGG:Ce for gamma imaging in Nuclear Medicine

Thursday 17 October 2019 11:55 (20 minutes)

Presenter: BETTIOL, Marco (Universita di Roma I "La Sapienza"-Universita & INFN, Roma I-Unk)

Session Classification: IPRD19

Contribution ID: 99

Type: **not specified**

Performance of the charged particle detectors of the PADME experiment

Thursday 17 October 2019 12:15 (12 minutes)

Presenter: OLIVA, Federica (INFN - National Institute for Nuclear Physics)

Session Classification: IPRD19

Contribution ID: **100**

Type: **not specified**

Beam-tests of CMS High Granularity Calorimeter prototypes at CERN

Thursday 17 October 2019 12:27 (12 minutes)

Presenter: BONANOMI, Matteo (Centre National de la Recherche Scientifique (FR))

Session Classification: IPRD19

Contribution ID: **101**

Type: **not specified**

Upgrade of the CMS Muon Spectrometer in the forward region with the GEM technology

Thursday 17 October 2019 14:15 (20 minutes)

Presenter: BIANCO, Michele (CERN)

Session Classification: IPRD19

Contribution ID: **102**

Type: **not specified**

Study of high time resolution MRPC with the waveform digitizer system

Thursday 17 October 2019 14:35 (20 minutes)

Presenter: YU, Yancheng (Tsinghua University (CN))

Session Classification: IPRD19

Contribution ID: **103**

Type: **not specified**

Performance studies of RPC detectors with new environmentally friendly gas mixtures in presence of LHC-like radiation background

Thursday 17 October 2019 15:10 (20 minutes)

Presenter: RIGOLETTI, Gianluca (Universite Claude Bernard Lyon I (FR))

Session Classification: IPRD19

Contribution ID: **104**

Type: **not specified**

R&D studies on tetrafluoropropene-based gas mixtures with low environmental impact for Resistive Plate Chambers

Thursday 17 October 2019 15:30 (15 minutes)

Presenter: BIANCHI, Antonio (Universita e INFN Torino (IT))

Session Classification: IPRD19

Contribution ID: **105**

Type: **not specified**

Pure machine-learning analysis of the response of a plastic scintillator to charged particles

Thursday 17 October 2019 16:15 (20 minutes)

Presenter: FOLLEGA, Francesco Maria (Universita degli Studi di Trento and INFN (IT))

Session Classification: IPRD19

Contribution ID: **106**

Type: **not specified**

The ATLAS Hardware Track Trigger design towards first prototypes

Thursday 17 October 2019 16:35 (20 minutes)

Presenter: MARTYNIUK, Alex Christopher (University of Victoria (CA))

Session Classification: IPRD19

Contribution ID: **107**

Type: **not specified**

NA62 data acquisition upgrade

Thursday 17 October 2019 16:55 (20 minutes)

Presenter: BORETTO, Marco (Universita e INFN Torino (IT))

Session Classification: IPRD19

Contribution ID: **108**

Type: **not specified**

concluding remarks

Thursday 17 October 2019 17:15 (10 minutes)

Presenter: PERROTTA, Andrea (Universita e INFN, Bologna (IT))

Session Classification: IPRD19

Contribution ID: **109**

Type: **not specified**

The performance of the diamond active target of the PADME experiment

Tuesday 15 October 2019 20:25 (5 minutes)

Presenter: OCEANO, Isabella (Lecce)

Session Classification: IPRD19

Contribution ID: **110**

Type: **not specified**

Kilovoltage rotational breast radiotherapy with the BriXS source

Tuesday 15 October 2019 20:30 (5 minutes)

Presenter: SARNO, Antonio (Napoli)

Session Classification: IPRD19

Contribution ID: 111

Type: **not specified**

Imaging performance dependence on crystal absorption properties: the CRY018 and CRY019 comparison

Tuesday 15 October 2019 20:45 (5 minutes)

Presenter: FALCONI, Rita (Roma1)

Session Classification: IPRD19

Contribution ID: 112

Type: **not specified**

Use of the Peak-Detector for gain calibration of the read-out ASIC CITIROC

Tuesday 15 October 2019 19:45 (5 minutes)

Presenter: IMPIOMBATO, Domenico (INAF)

Session Classification: IPRD19

Contribution ID: 113

Type: **not specified**

Laboratory tests for MIR light detection and transport with specialty optical fibers

Wednesday 16 October 2019 15:45 (15 minutes)

Presenter: BENOCCI, Roberto (Milano Bicocca)

Session Classification: IPRD19

Contribution ID: **114**

Type: **not specified**

JUNO detector design and construction

Wednesday 16 October 2019 17:25 (20 minutes)

Presenter: LOMBARDI, Paolo (INFN Milano)

Session Classification: IPRD19

Contribution ID: 115

Type: **not specified**

The Gas Pixel Detector for the IXPE mission

Wednesday 16 October 2019 17:45 (10 minutes)

Presenter: MANFREDA, Alberto (INFN Pisa)

Session Classification: IPRD19

Contribution ID: **116**

Type: **not specified**

A novel approach for lateral dose profile reconstruction with a scintillator-based system

Thursday 17 October 2019 11:00 (15 minutes)

Session Classification: IPRD19

Contribution ID: **117**

Type: **not specified**

Find eco-gas mixtures for a coupled readout MRPC

Thursday 17 October 2019 14:55 (15 minutes)

Session Classification: IPRD19

Contribution ID: 118

Type: **not specified**

Comparison between photon detection efficiency and TPB coating stability of PMTs immersed in liquid argon

Tuesday 15 October 2019 21:10 (5 minutes)

Presenter: VARGAS, Danaïsis (Universitat Autònoma de Barcelona (ES))

Session Classification: IPRD19