

PM2018 - 14th Pisa Meeting on Advanced Detectors

Report of Contributions

Contribution ID: 1

Type: **not specified**

The APPEC roadmap for Astroparticle Physics, experiments and detectors

Monday, May 28, 2018 8:50 AM (45 minutes)

Presenter: KATSANEVAS, stavros (university Paris 7/IN2P3/CNRS)

Session Classification: Welcome Addresses & Opening Talk

Track Classification: S0

Contribution ID: 2

Type: **not specified**

The Imaging X-ray Polarimetry Explorer (IXPE)

Monday, May 28, 2018 9:35 AM (15 minutes)

Presenter: SGRO', Carmelo (PI)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics

Track Classification: S1

Contribution ID: 3

Type: **not specified**

HERMES: An ultra-wide band X and gamma-ray transient monitor on board a nano-satellite constellation

Monday, May 28, 2018 9:55 AM (20 minutes)

Presenter: FUSCHINO, Fabio (BO)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics

Track Classification: S1

Contribution ID: 4

Type: **not specified**

A compact low threshold gamma-ray detector composed of LaBr₃ and SiPMs for GECAM

Monday, May 28, 2018 10:20 AM (15 minutes)

Presenter: SUN, Xilei (IHEP)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics

Track Classification: S1

Contribution ID: 5

Type: **not specified**

S1-Poster Review

Monday, May 28, 2018 10:40 AM (25 minutes)

Presenter: MARIOTTI, Mose' (PD)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics

Track Classification: S1

Contribution ID: 6

Type: **not specified**

The HEPD detector on board CSES satellite: in-flight performance

Monday, May 28, 2018 11:40 AM (15 minutes)

Presenter: OSTERIA, Giuseppe (NA)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics

Track Classification: S1

Contribution ID: 7

Type: **not specified**

High-energy e-/e+ spectrometer via coherent interaction in a bent crystal

Monday, May 28, 2018 12:00 PM (15 minutes)

Presenter: BAGLI, Enrico (FE)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics

Track Classification: S1

Contribution ID: 8

Type: **not specified**

Darkside-20k and the future Liquid Argon Dark Matter program

Monday, May 28, 2018 12:20 PM (15 minutes)

Presenter: FIORILLO, Giuliana (NA)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics

Track Classification: S1

Contribution ID: 9

Type: **not specified**

KM3NeT : next-generation neutrino telescope under the Mediterranean Sea

Monday, May 28, 2018 12:40 PM (10 minutes)

Presenter: LE BRETON, Rémy (APC)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics

Track Classification: S1

Contribution ID: **10**

Type: **not specified**

The detectors of the SHiP experiment at CERN

Monday, May 28, 2018 10:47 AM (3 minutes)

Presenter: GRAVERINI, Elena (University of Zurich)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Track Classification: P1

Contribution ID: **11**

Type: **not specified**

FDFP welcome address & Opening Talk

Monday, May 28, 2018 8:30 AM (5 minutes)

Presenter: STEFANINI, Arnaldo (PI)

Session Classification: Welcome Addresses & Opening Talk

Contribution ID: 12

Type: **not specified**

Organizing committee welcome

Monday, May 28, 2018 8:40 AM (5 minutes)

Presenter: GRASSI, Marco (PI)

Session Classification: Welcome Addresses & Opening Talk

Contribution ID: 13

Type: **not specified**

CUPID-0, challenges and achievements in the struggle of 0-background double-beta decay experiments

Monday, May 28, 2018 4:00 PM (15 minutes)

Presenter: DAFINEI, Ioan (ROMA1)

Session Classification: Photo Detectors and PID

Contribution ID: 14

Type: **not specified**

Calibration, Commissioning, and Operation of the Time Of Propagation PID Detector at the Belle II Experiment

Monday, May 28, 2018 4:20 PM (15 minutes)

Presenter: GAZ, Alessandro (KMI, Nagoya University)

Session Classification: Photo Detectors and PID

Contribution ID: 15

Type: **not specified**

Charged particle timing at sub-25 picosecond precision: the PICOSEC detection concept

Monday, May 28, 2018 4:40 PM (15 minutes)

Presenter: IGUAZ GUTIERREZ, Francisco Jose (IRFU/CEA-Saclay)

Session Classification: Photo Detectors and PID

Contribution ID: 16

Type: **not specified**

Poster Review (Experimental Applications)

Monday, May 28, 2018 5:00 PM (20 minutes)

Presenter: HARNEW, Neville (University of Oxford)

Session Classification: Photo Detectors and PID

Contribution ID: 17

Type: **not specified**

Direct Measurement of Optical Cross-Talk in SiPMs Using Light Emission Microscopy

Monday, May 28, 2018 6:25 PM (15 minutes)

Presenter: STROM, Derek (University of Illinois at Chicago)

Session Classification: Photo Detectors and PID

Contribution ID: **18**

Type: **not specified**

Next generation 3D digital SiPM for precise timing resolution 15'

Monday, May 28, 2018 6:45 PM (15 minutes)

Presenter: PRATTE, Jean-Francois (Universite de Sherbrooke)

Session Classification: Photo Detectors and PID

Contribution ID: 19

Type: **not specified**

Large Area Picosecond Photodetector (LAPPD) - Pilot Production and Development Status

Monday, May 28, 2018 7:05 PM (15 minutes)

Presenter: MINOT, Michael (Incom Inc.)

Session Classification: Photo Detectors and PID

Contribution ID: 20

Type: **not specified**

First results of measurements of spectrum and angular distribution of transition radiation using a silicon pixel sensor on a TimePix3 chip

Monday, May 28, 2018 7:25 PM (15 minutes)

Presenter: SCHIOPPA, Enrico Junior (CERN)

Session Classification: Photo Detectors and PID

Contribution ID: 21

Type: **not specified**

Poster Review (Photodetector Technologies)

Monday, May 28, 2018 6:00 PM (20 minutes)

Presenter: RETIERE, Fabrice (TRIUMF)

Session Classification: Photo Detectors and PID

Contribution ID: 22

Type: **not specified**

The Phase-2 ATLAS ITk Pixel Upgrade

Tuesday, May 29, 2018 8:25 AM (15 minutes)

Presenter: MACCHIOLO, Anna (Max-Planck-Institut fuer Physik)

Session Classification: Solid State Detectors

Contribution ID: 23

Type: **not specified**

The CMS Tracker Upgrade for the High Luminosity LHC

Tuesday, May 29, 2018 8:45 AM (15 minutes)

Presenter: DELCOURT, Martin (Université catholique de Louvain)

Session Classification: Solid State Detectors

Contribution ID: 24

Type: **not specified**

The LHCb VELO Upgrade

Tuesday, May 29, 2018 9:05 AM (15 minutes)

Presenter: FRANCO LIMA, Vinicius (University of Liverpool)

Session Classification: Solid State Detectors

Contribution ID: 25

Type: **not specified**

The new Inner Tracking System for the ALICE upgrade at LHC

Tuesday, May 29, 2018 9:25 AM (15 minutes)

Presenter: DI MAURO, Antonello (CERN (Geneva, Switzerland))

Session Classification: Solid State Detectors

Contribution ID: 26

Type: **not specified**

The Belle II Vertex Detector Integration

Tuesday, May 29, 2018 9:45 AM (15 minutes)

Presenter: KODYS, Peter (Charles University)

Session Classification: Solid State Detectors

Contribution ID: 27

Type: **not specified**

Poster Review (System Construction and Operation)

Tuesday, May 29, 2018 10:05 AM (15 minutes)

Presenter: MERKEL, Petra (Fermilab)

Session Classification: Solid State Detectors

Contribution ID: 28

Type: **not specified**

Poster Review (Sensor Design and Technology)

Tuesday, May 29, 2018 10:25 AM (15 minutes)

Presenter: CASSE, Gianluigi (Fondazione Bruno Kessler)

Session Classification: Solid State Detectors

Contribution ID: 29

Type: **not specified**

The Silicon Tracking System of the CBM experiment at FAIR

Tuesday, May 29, 2018 11:15 AM (15 minutes)

Presenter: SCHMIDT, Hans Rudolf (University of Tübingen and GSI Darmstadt)

Session Classification: Solid State Detectors

Contribution ID: **30**

Type: **not specified**

Technologies for Future Vertex and Tracking Detectors at CLIC

Tuesday, May 29, 2018 11:35 AM (15 minutes)

Presenter: SPANNAGEL, Simon (CERN)

Session Classification: Solid State Detectors

Contribution ID: 31

Type: **not specified**

Development of Ultra Fast Silicon Detector for 4D tracking

Tuesday, May 29, 2018 11:55 AM (15 minutes)

Presenter: CARNESECCHI, Francesca (BO)

Session Classification: Solid State Detectors

Contribution ID: 32

Type: **not specified**

Radiation-Hard CMOS Monolithic Pixel Sensor Development based on the Column-Drain Architecture for the ATLAS ITK Upgrade

Tuesday, May 29, 2018 12:15 PM (15 minutes)

Presenter: MOUSTAKAS, Konstantinos (University of Bonn (DE))

Session Classification: Solid State Detectors

Contribution ID: 35

Type: **not specified**

A gamma calorimeter for the monitoring of the ELI-NP beam

Tuesday, May 29, 2018 4:40 PM (15 minutes)

Presenter: VELTRI, Michele (FI)

Session Classification: Calorimetry

Contribution ID: 36

Type: **not specified**

ATLAS LAr Calorimeter Performance in LHC Run-2

Tuesday, May 29, 2018 4:00 PM (15 minutes)

Presenter: MORGENSTERN, Stefanie (CERN & TU Dresden)

Session Classification: Calorimetry

Contribution ID: 37

Type: **not specified**

Design and test of the Mu2e undoped CsI + SiPM crystal calorimeter

Tuesday, May 29, 2018 4:20 PM (15 minutes)

Presenter: DONGHIA, Raffaella (LNF-INFN and Roma Tre)

Session Classification: Calorimetry

Contribution ID: **38**

Type: **not specified**

A gamma calorimeter for the monitoring of the ELI-NP beam

Presenter: VELTRI, Michele (FI)

Session Classification: Calorimetry

Contribution ID: 39

Type: **not specified**

S4 - Poster Review

Tuesday, May 29, 2018 5:00 PM (25 minutes)

Presenter: ALEKSA, Martin Aleksa (CERN)

Session Classification: Calorimetry

Contribution ID: 40

Type: **not specified**

The calibration system for the g-2 calorimeters

Tuesday, May 29, 2018 5:50 PM (15 minutes)

Presenter: DRIUTTI, Anna (Universita' di Udine)

Session Classification: Calorimetry

Contribution ID: 41

Type: **not specified**

The CMS High Granularity Calorimeter for the High Luminosity LHC

Tuesday, May 29, 2018 6:10 PM (15 minutes)

Presenter: VALENTAN, Manfred (Institute of High Energy Physics Vienna)

Session Classification: Calorimetry

Contribution ID: 42

Type: **not specified**

Design and performance studies of the calorimeter system for a FCC-hh experiment

Tuesday, May 29, 2018 6:30 PM (15 minutes)

Presenter: HELSENS, Clement (CERN)

Session Classification: Calorimetry

Contribution ID: 43

Type: **not specified**

DECAL: Digital Calorimetry using DMAPs sensors

Tuesday, May 29, 2018 6:50 PM (15 minutes)

Presenter: WORM, Steve (U Birmingham)

Session Classification: Calorimetry

Contribution ID: 44

Type: **not specified**

Direct Search for WIMP Dark Matter particles with the LUX-ZEPLIN (LZ) detector

Wednesday, May 30, 2018 8:30 AM (15 minutes)

Presenter: PUSHKIN, Kirill (Department of Physics and Astronomy, University of Alabama)

Session Classification: Cryogenic / Supeconductive Devices

Contribution ID: 45

Type: **not specified**

Searching for Low Mass Dark Matter with the SuperCDMS SNOLAB Detectors

Wednesday, May 30, 2018 8:50 AM (15 minutes)

Presenter: SERFASS, Bruno (UC Berkeley)

Session Classification: Cryogenic / Supeconductive Devices

Contribution ID: 46

Type: **not specified**

CUORE: the first bolometric experiment at the ton scale for rare decay searches

Wednesday, May 30, 2018 9:10 AM (15 minutes)

Presenter: BRANCA, Antonio (PD)

Session Classification: Cryogenic / Supeconductive Devices

Contribution ID: 47

Type: **not specified**

S5 - Poster Review

Wednesday, May 30, 2018 9:30 AM (25 minutes)

Presenter: MONFARDINI, Alessandro (CNRS Grenoble)

Session Classification: Cryogenic / Supeconductive Devices

Contribution ID: 48

Type: **not specified**

Cryogenic light detectors for background suppression: the CALDER project.

Wednesday, May 30, 2018 10:00 AM (15 minutes)

Presenter: CASALI, Nicola (ROMA1)

Session Classification: Cryogenic / Supeconductive Devices

Contribution ID: 49

Type: **not specified**

Josephson radiation sensors via temperature-to-phase conversion

Wednesday, May 30, 2018 10:20 AM (20 minutes)

Presenter: PAOLUCCI, Federico (INFN Sezione di Pisa)

Session Classification: Cryogenic / Supeconductive Devices

Contribution ID: 50

Type: **not specified**

77K superconducting electronics based on coherent operation of SQUID arrays for advanced detection in physics 15'

Wednesday, May 30, 2018 10:45 AM (15 minutes)

Presenter: CHESCA, Boris (Physics Department, Loughborough University, UK)

Session Classification: Cryogenic / Supeconductive Devices

Contribution ID: 51

Type: **not specified**

Einstein Telescope

Thursday, May 31, 2018 8:30 AM (25 minutes)

Presenter: LOSURDO, Giovanni (PI)

Session Classification: Focus on

Contribution ID: 52

Type: **not specified**

INFN

Thursday, May 31, 2018 9:00 AM (10 minutes)

Presenter: FERRONI, Fernando (ROMA1)

Session Classification: Round Table - Evolution of Research Infrastructures for Frontier Physics and the Need of Cutting-Edge Technologies

Contribution ID: 53

Type: **not specified**

CERN

Thursday, May 31, 2018 9:15 AM (10 minutes)

Presenter: ROSSI, Lucio (CERN - via video)

Session Classification: Round Table - Evolution of Research Infrastructures for Frontier Physics and the Need of Cutting-Edge Technologies

Contribution ID: 54

Type: **not specified**

TRIUMF

Thursday, May 31, 2018 9:30 AM (10 minutes)

Presenter: RETIERE, Fabrice (TRIUMF)

Session Classification: Round Table - Evolution of Research Infrastructures for Frontier Physics and the Need of Cutting-Edge Technologies

Contribution ID: 55

Type: **not specified**

KEK

Thursday, May 31, 2018 9:45 AM (10 minutes)

Presenter: HABA, junji (KEK)

Session Classification: Round Table - Evolution of Research Infrastructures for Frontier Physics and the Need of Cutting-Edge Technologies

Contribution ID: 56

Type: **not specified**

Attract

Thursday, May 31, 2018 10:00 AM (10 minutes)

Presenter: BERTOLUCCI, Sergio (UNIBO/INFN)

Session Classification: Round Table - Evolution of Research Infrastructures for Frontier Physics and the Need of Cutting-Edge Technologies

Contribution ID: 57

Type: **not specified**

FERMILAB

Thursday, May 31, 2018 10:15 AM (10 minutes)

Presenter: LOCKYER, Nigel

Session Classification: Round Table - Evolution of Research Infrastructures for Frontier Physics and the Need of Cutting-Edge Technologies

Contribution ID: 58

Type: **not specified**

Fraunhofer

Thursday, May 31, 2018 10:30 AM (10 minutes)

Presenter: FRITZSCH, Thomas (Fraunhofer IZM)

Session Classification: Round Table - Evolution of Research Infrastructures for Frontier Physics and the Need of Cutting-Edge Technologies

Contribution ID: 59

Type: **not specified**

IBM

Thursday, May 31, 2018 10:45 AM (10 minutes)

Presenter: RENZI, Fabrizio (Istituto Nazionale di Fisica Nucleare)

Session Classification: Round Table - Evolution of Research Infrastructures for Frontier Physics and the Need of Cutting-Edge Technologies

Contribution ID: **60**

Type: **not specified**

Question Time

Thursday, May 31, 2018 11:30 AM (30 minutes)

Presenters: RETIERE, Fabrice (TRIUMF); RENZI, Fabrizio (Istituto Nazionale di Fisica Nucleare); FER-
RONI, Fernando (ROMA1); ROSSI, Lucio (CERN - via video); LOCKYER, Nigel; BERTOLUCCI, Sergio
(UNIBO/INFN); FRITZSCH, Thomas (Fraunhofer IZM); HABA, junji (KEK)

Session Classification: Round Table - Evolution of Research Infrastructures for Frontier
Physics and the Need of Cutting-Edge Technologies

Contribution ID: **61**

Type: **not specified**

KALYPSO: linear array detector for high-repetition rate and real-time beam diagnostics

Thursday, May 31, 2018 4:00 PM (15 minutes)

Presenter: ROTA, Lorenzo (Karlsruhe Institute of Technology - KIT)

Session Classification: Application to Life Sciences and Other Challenges

Contribution ID: 62

Type: **not specified**

Evaluation of a novel photon-counting CT system using 16-ch MPPC array for multicolor 3D imaging

Thursday, May 31, 2018 4:20 PM (13 minutes)

Presenter: MARUHASHI, TAKUYA (waseda university)

Session Classification: Application to Life Sciences and Other Challenges

Contribution ID: 63

Type: **not specified**

Calorimeter prototyping for the iMPACT project pCT scanner

Thursday, May 31, 2018 4:38 PM (15 minutes)

Presenter: POZZOBON, Nicola (PD)

Session Classification: Application to Life Sciences and Other Challenges

Contribution ID: **64**

Type: **not specified**

S6 - Poster Review

Thursday, May 31, 2018 4:58 PM (24 minutes)

Presenter: VAQUERO, Juan José (Universidad Carlos III de Madrid)

Session Classification: Application to Life Sciences and Other Challenges

Contribution ID: 65

Type: **not specified**

SiPM-based PET detector module for a 4π span scanner

Thursday, May 31, 2018 5:55 PM (15 minutes)

Presenter: PEREZ-BENITO, David (Universidad Carlos III de Madrid)

Session Classification: Application to Life Sciences and Other Challenges

Contribution ID: 66

Type: **not specified**

A new compact tracker for ultrafast secondary neutrons produced in light ions therapy

Thursday, May 31, 2018 6:15 PM (15 minutes)

Presenter: GIOSCIO, Eliana (LNF)

Session Classification: Application to Life Sciences and Other Challenges

Contribution ID: 67

Type: **not specified**

A novel neutron detector for 3-He replacement in environmental applications

Thursday, May 31, 2018 6:35 PM (15 minutes)

Presenter: STEVANATO, Luca (PD)

Session Classification: Application to Life Sciences and Other Challenges

Contribution ID: **68**

Type: **not specified**

MUON TOMOGRAPHY USING MICROME GAS DETECTORS: FROM ARCHEOLOGY TO NUCLEAR SAFETY APPLICATIONS

Thursday, May 31, 2018 6:55 PM (15 minutes)

Presenter: GOMEZ, Hector (CEA / IRFU / DPhN)

Session Classification: Application to Life Sciences and Other Challenges

Contribution ID: 69

Type: **not specified**

The upgrade of the ATLAS Muon System for High-Luminosity LHC

Friday, June 1, 2018 8:30 AM (15 minutes)

Presenter: AMELUNG, Christoph (Brandeis University)

Session Classification: Gas Detectors

Contribution ID: 70

Type: **not specified**

Upgrade plans and aging studies for the CMS muon system in preparation of HL-LHC

Friday, June 1, 2018 8:50 AM (15 minutes)

Presenter: WANG, Jian (University of Florida)

Session Classification: Gas Detectors

Contribution ID: 71

Type: **not specified**

MPGD-based photon detectors for the upgrade of COMPASS RICH-1 and beyond

Friday, June 1, 2018 9:10 AM (15 minutes)

Presenter: DALLA TORRE, Silvia (TS)

Session Classification: Gas Detectors

Contribution ID: 72

Type: **not specified**

A Cylindrical GEM Inner Tracker for the BESIII experiment

Friday, June 1, 2018 9:30 AM (15 minutes)

Presenter: CIBINETTO, Gianluigi (FE)

Session Classification: Gas Detectors

Contribution ID: 73

Type: **not specified**

Upgrade of the tracking system of the CMD-3 detector with micro-RWELL technology

Friday, June 1, 2018 9:50 AM (15 minutes)

Presenter: SHEKHTMAN, Lev (Budker INP)

Session Classification: Gas Detectors

Contribution ID: 74

Type: **not specified**

S7-Poster Review 25'

Friday, June 1, 2018 10:10 AM (25 minutes)

Presenter: HILDEBRANDT, Malte (Paul Scherrer Institut)

Session Classification: Gas Detectors

Contribution ID: 75

Type: **not specified**

HARPO, a gas TPC active target for high-performance gamma-ray astronomy; demonstration of the polarimetry of MeV gamma-rays converting to e+e- pair

Friday, June 1, 2018 11:15 AM (15 minutes)

Presenter: BERNARD, Denis (LLR Ecole Polytechnique)

Session Classification: Gas Detectors

Contribution ID: 76

Type: **not specified**

Dual-Stage Gas Proportional Scintillation Counter - New Developments

Friday, June 1, 2018 11:35 AM (15 minutes)

Presenter: VENTURA CORTEZ, André Filipe (Laboratório de Instrumentação e Física Experimental de Partículas)

Session Classification: Gas Detectors

Contribution ID: 77

Type: **not specified**

Spherical proportional counters: development, improvement and understanding

Friday, June 1, 2018 11:55 AM (15 minutes)

Presenter: BROSSARD, Alexis (Queen's University)

Session Classification: Gas Detectors

Contribution ID: 78

Type: **not specified**

Small-pad Resistive Micromegas for high rate environment: Performance of different resistive protection concepts

Friday, June 1, 2018 12:15 PM (15 minutes)

Presenter: DELLA PIETRA, Massimo (NA)

Session Classification: Gas Detectors

Contribution ID: 79

Type: **not specified**

AM07: Characterization of the Novel Associative Memory Chip Prototype Designed in 28 nm CMOS Technology for High Energy Physics and Interdisciplinary Applications

Friday, June 1, 2018 4:00 PM (15 minutes)

Presenter: CRESCIOLI, Francesco (LPNHE)

Session Classification: Front, Trigger, DAQ and Data Management

Contribution ID: **80**

Type: **not specified**

Cold Electronics system for ProtoDUNE-SP LAr-TPC

Friday, June 1, 2018 4:20 PM (15 minutes)

Presenter: SPANU, Maura Ninuccia (Brookhaven National Laboratory)

Session Classification: Front, Trigger, DAQ and Data Management

Contribution ID: **81**

Type: **not specified**

Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC

Friday, June 1, 2018 4:40 PM (15 minutes)

Presenter: CHRISTOPHER, Anelli (University of Victoria)

Session Classification: Front, Trigger, DAQ and Data Management

Contribution ID: **82**

Type: **not specified**

S8 - Poster Review 1

Friday, June 1, 2018 5:00 PM (15 minutes)

Presenter: RE, Valerio (PV)

Session Classification: Front, Trigger, DAQ and Data Management

Contribution ID: **83**

Type: **not specified**

S8 - Poster Review 2

Friday, June 1, 2018 5:20 PM (15 minutes)

Presenter: RADICIONI, Emilio (BA)

Session Classification: Front, Trigger, DAQ and Data Management

Contribution ID: 84

Type: **not specified**

Recent developments in the CBC3, a CMS micro-strip readout ASIC for track-trigger modules at the HL-LHC

Friday, June 1, 2018 5:40 PM (15 minutes)

Presenter: SARAH, Seif El Nasr-Storey (University of Bristol)

Session Classification: Front, Trigger, DAQ and Data Management

Contribution ID: 85

Type: **not specified**

Test results and prospects for RD53A, a large scale 65 nm CMOS chip for pixel readout at the HL-LHC

Friday, June 1, 2018 6:00 PM (15 minutes)

Presenter: GAIONI, Luigi (PV)

Session Classification: Front, Trigger, DAQ and Data Management

Contribution ID: 86

Type: **not specified**

Performance of CATIROC : ASIC for smart readout of large photomultiplier arrays

Friday, June 1, 2018 6:20 PM (15 minutes)

Presenter: DE LA TAILLE, Christophe (OMEGA CNRS/IN2P3 Ecole Polytechnique)

Session Classification: Front, Trigger, DAQ and Data Management

Contribution ID: 87

Type: **not specified**

Precision Clock Distribution for CMS at the HL-LHC

Friday, June 1, 2018 6:40 PM (15 minutes)

Presenter: SAHIN, Mehmet Ozgur (CEA Irfu)

Session Classification: Front, Trigger, DAQ and Data Management

Contribution ID: **88**

Type: **not specified**

Acknowledgements

Friday, June 1, 2018 7:00 PM (5 minutes)

Presenter: BATIGNANI, Giovanni (PI)

Session Classification: Front, Trigger, DAQ and Data Management

Contribution ID: 89

Type: **not specified**

Space fluorescence detection of ultra-high energy cosmic rays based on CORSIKA simulation

Monday, May 28, 2018 10:44 AM (1 minute)

Presenter: DJEMIL, Taoufik (Badji Mokhtar University)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 90

Type: **not specified**

The development of the Icarus T600 laser diode calibration system

Monday, May 28, 2018 10:41 AM (1 minute)

Presenter: BONESINI, Maurizio Giorgio (MIB)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 91

Type: **not specified**

Measurement of the zenith angle distribution of the cosmic muon flux in Abu Dhabi at sea level

Monday, May 28, 2018 10:38 AM (1 minute)

Presenter: BRUNO, Gianmarco (New York University - Abu Dhabi)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 92

Type: **not specified**

Probing the absolute neutrino mass scale with ^{163}Ho : the HOLMES project

Monday, May 28, 2018 10:35 AM (1 minute)

Presenter: DE GERONE, Matteo (GE)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 93

Type: **not specified**

^{163}Ho distillation and implantation for HOLMES experiment

Monday, May 28, 2018 10:32 AM (1 minute)

Presenter: DE GERONE, Matteo (GE)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 94

Type: **not specified**

CHEC - a Compact High-Energy Camera for the Cherenkov Telescope Array

Monday, May 28, 2018 10:29 AM (1 minute)

Presenter: ZORN, Justus (Max-Planck-Institut für Kernphysik (MPIK) Heidelberg)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 95

Type: **not specified**

Scintillation detectors for TAIGA experiment

Monday, May 28, 2018 10:26 AM (1 minute)

Presenter: KIRLENKO, Pavel (Novosibirsk State University)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 96

Type: **not specified**

Novel approaches in low energy threshold detectors for Dark Matter searches

Monday, May 28, 2018 10:23 AM (1 minute)

Presenter: GUARISE, Marco (University of Ferrara)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 97

Type: **not specified**

Characterization of a prototype silicon drift detector system for the TRISTAN project

Monday, May 28, 2018 10:20 AM (1 minute)

Presenter: BRUNST, Tim (Max Planck Institute for Physics)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 98

Type: **not specified**

The downstream Muon detector of the SHiP experiment

Monday, May 28, 2018 10:17 AM (1 minute)

Presenter: TOSI, Nicolò (BO)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 99

Type: **not specified**

A compact Time-Of-Flight detector for radiation measurements in a space habitat: the LIDAL detector

Monday, May 28, 2018 10:14 AM (1 minute)

Presenter: MORONE, Maria Cristina (ROMA2)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: **100**

Type: **not specified**

Performance of custom designed inverted coaxial HPGe detectors for GERDA and LEGEND

Monday, May 28, 2018 10:11 AM (1 minute)

Presenter: COMELLATO, Tommaso (Technical University Munich)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: **101**

Type: **not specified**

Performance of the 3x1x1 m3 Dual Phase Liquid argon TPC

Monday, May 28, 2018 10:08 AM (1 minute)

Presenter: SCHLOESSER, Caspar (ETH Zurich)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: **102**

Type: **not specified**

The investigation on the dark sector at the PADME experiment

Monday, May 28, 2018 10:05 AM (1 minute)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: **103**

Type: **not specified**

The charged particle veto system of the PADME experiment

Monday, May 28, 2018 10:02 AM (1 minute)

Presenter: OLIVA, Federica (LE)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: **104**

Type: **not specified**

Deep learning to study the noise in gravitational wave interferometers

Monday, May 28, 2018 9:59 AM (1 minute)

Presenter: RAZZANO, Massimiliano (PI)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: **105**

Type: **not specified**

EUSO-SPB1: in-flight performance

Monday, May 28, 2018 9:56 AM (1 minute)

Presenter: OSTERIA, Giuseppe (NA)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: **106**

Type: **not specified**

Design of a SiPM-based cluster for the Large Size Telescope camera of CTA

Monday, May 28, 2018 9:53 AM (1 minute)

Presenter: MALLAMACI, Manuela (PD)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: **107**

Type: **not specified**

The double turn method based on mono-chromatic positrons for the measurement of the MEGII spectrometer resolutions

Monday, May 28, 2018 9:50 AM (1 minute)

Presenter: SCHWENDIMANN, Patrick (PSI)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: **108**

Type: **not specified**

ProtoDUNE: prototyping the ultimate medium high energy range (MeV - GeV) neutrino detector

Monday, May 28, 2018 9:47 AM (1 minute)

Presenter: ACCIARRI, Roberto (FNAL)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: **109**

Type: **not specified**

An observation-simulation and analysis framework for the Imaging X-ray Polarimetry Explorer (IXPE)

Monday, May 28, 2018 9:44 AM (1 minute)

Presenter: PESCE-ROLLINS, Melissa (PI)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 110

Type: **not specified**

High precision mapping of single-pixel Silicon Drift Detector for application in astrophysics and advanced light source

Monday, May 28, 2018 9:41 AM (1 minute)

Presenter: CIRINCIONE, Daniela (TS)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 111

Type: **not specified**

Detector setup of the VIP2 Underground Experiment at LNGS

Monday, May 28, 2018 9:38 AM (1 minute)

Presenter: MARTON, Johann (Stefan Meyer Institute)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 112

Type: **not specified**

Plastic scintillator detector array for detection of cosmic ray air shower

Monday, May 28, 2018 9:35 AM (1 minute)

Presenter: BISWAS, Saikat (Bose Institute)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session

Contribution ID: 113

Type: **not specified**

Another step in photodetection innovation: the 1-inch VSiPMT prototype

Monday, May 28, 2018 4:22 PM (1 minute)

Presenter: BARBATO, Felicia Carla Tiziana (NA)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 114

Type: **not specified**

Measurement of the Response of Silicon Photomultipliers from Single Photon Detection to Saturation

Monday, May 28, 2018 4:21 PM (1 minute)

Presenter: WEITZEL, Quirin (Mainz University, PRISMA Detector Lab)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 115

Type: **not specified**

The upgraded beam monitor system for the FAMU experiment at RIKEN-RAL

Monday, May 28, 2018 4:20 PM (1 minute)

Presenter: BONESINI, Maurizio Giorgio (MIB)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 116

Type: **not specified**

Radiation Damage Effect on Time Resolution of 6 Series-connected SiPMs for MEG II Positron Timing Counter

Monday, May 28, 2018 4:19 PM (1 minute)

Presenter: USAMI, Masashi (The University of Tokyo)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 117

Type: **not specified**

The TORCH PMT, a close packing, long life MCP-PMT for Cherenkov applications with a novel high granularity multi-anode

Monday, May 28, 2018 4:18 PM (1 minute)

Presenter: MILNES, James (Photek Ltd)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: **118**

Type: **not specified**

Characterization of FBK NUV-HD SiPMs for the pSCT camera proposed for the CTA experiment

Monday, May 28, 2018 4:17PM (1 minute)

Presenter: LOPORCHIO, Serena (BA)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 119

Type: **not specified**

Real-Time Measurement System with Automatic Gain Detection and Autocalibration for Silicon Photomultipliers

Monday, May 28, 2018 4:16 PM (1 minute)

Presenter: DOROSZ, Piotr (AGH University of Science & Technology)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 120

Type: **not specified**

Optimal Design of Plastic Scintillator Counter with Multiple SiPM Readouts for Best Time Resolution

Monday, May 28, 2018 4:15 PM (1 minute)

Presenter: ONDA, Rina (the University of Tokyo)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 121

Type: **not specified**

Optimized MPGD-based photon detectors for high momentum particle identification at the Electron-Ion Collider.

Monday, May 28, 2018 4:14PM (1 minute)

Presenter: AGARWALA, Jinky (TS)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 122

Type: **not specified**

Upgrade of the Time-of-Flight system of the CMD-3 detector

Monday, May 28, 2018 4:13 PM (1 minute)

Presenter: AMIRKHANOV, Artem (Budker Institute of Nuclear Physics, Novosibirsk, Russia)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 123

Type: **not specified**

6 Linearity and Saturation Properties of Hamamatsu R5912-MOD Photomultiplier Tube for the ICARUS T600 light detection system

Presenter: SPANU, Maura Ninuccia (Brookhaven National Laboratory)

Contribution ID: 124

Type: **not specified**

Detection of Vacuum Ultra-Violet light by means of SiPMs with and without a wave-length shifter coating for High Energy Physics experiments

Monday, May 28, 2018 4:12 PM (1 minute)

Presenter: ROSSELLA, Massimo (PV)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 125

Type: **not specified**

First Experience with the Belle II Aerogel RICH Detector

Monday, May 28, 2018 4:11 PM (1 minute)

Presenter: MRVAR, Manca (Jozef Stefan Institute, Ljubljana)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 126

Type: **not specified**

TORCH: a large area time-of-flight detector for particle identification

Monday, May 28, 2018 4:10 PM (1 minute)

Presenter: NEVILLE, harnew (University of Oxford)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 127

Type: **not specified**

Analysis of the Performance of Photon Detection Methods Using Silicon Photomultiplier in the Application with High Throughput Requirements

Monday, May 28, 2018 4:09 PM (1 minute)

Presenter: BASZCZYK, Mateusz (AGH University of Science and Technology)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 128

Type: **not specified**

A low energy x-ray Compton polarimeter prototype

Monday, May 28, 2018 4:08 PM (1 minute)

Presenter: SPILLMANN, Uwe (GSI)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 129

Type: **not specified**

Use of silicon photonics wavelength multiplexing techniques for fast parallel readout in high energy physics

Monday, May 28, 2018 4:07PM (1 minute)

Presenter: DE MATTEIS, Fabio (ROMA2)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 130

Type: **not specified**

Operational Evaluation of Silicon Photomultiplier Based Prototype Detector Modules Installed in the MAGIC Telescopes

Monday, May 28, 2018 4:06 PM (1 minute)

Presenter: HAHN, Alexander (Max Planck Institute for Physics)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 131

Type: **not specified**

The Barrel DIRC detector of PANDA

Monday, May 28, 2018 4:05 PM (1 minute)

Presenter: SCHWARZ, Carsten (GSI Helmholtzzentrum fuer Schwerionenforschung)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 132

Type: **not specified**

Performance of X-rays crystal detectors with SiPM array readout exposed to the RIKEN RAL low energy muon beam

Monday, May 28, 2018 4:04 PM (1 minute)

Presenter: MENEGOLLI, Alessandro (PV)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 133

Type: **not specified**

The PANDA barrel-TOF detector at FAIR

Monday, May 28, 2018 4:03 PM (1 minute)

Presenter: ZIMMERMANN, Sebastian (Stefan-Meyer-Institut)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 134

Type: **not specified**

Evaluation of a hybrid pixel detector prototype for time resolved experiments at the ODE beamline of the SOLEIL Synchrotron

Monday, May 28, 2018 4:02 PM (1 minute)

Presenter: BACHILLER-PEREA, Diana (SOLEIL Synchrotron)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 135

Type: **not specified**

The Endcap Disc DIRC detector of PANDA

Monday, May 28, 2018 4:01 PM (1 minute)

Presenter: FOEHL, Klaus (Giessen university)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 136

Type: **not specified**

Characterization of VUV-sensitive SiPMs for nEXO

Monday, May 28, 2018 4:00 PM (1 minute)

Presenter: WAGENPFEIL, Michael (University of Erlangen, ECAP)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 137

Type: **not specified**

Application of Silicon Photomultiplier Model to the Design of Front-End Electronics

Monday, May 28, 2018 4:37PM (1 minute)

Presenter: BASZCZYK, Mateusz (AGH University of Science and Technology)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 138

Type: **not specified**

Proton flux monitor(s) for the UA9 Experiment

Monday, May 28, 2018 4:36 PM (1 minute)

Presenter: DUBOS, Sebastien (CNRS / IN2P3 - LAL)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 139

Type: **not specified**

New Ultra-High cell-Density Silicon Photomultipliers with improved performance

Monday, May 28, 2018 4:35 PM (1 minute)

Presenter: PATERNOSTER, Giovanni (Fondazione Bruno Kessler)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 140

Type: **not specified**

Design of the microchannel plate photomultiplier tube for applications in strong magnetic fields

Monday, May 28, 2018 4:34 PM (1 minute)

Presenter: CHEN, Ping (Xi'an Institute of Optics and Precision Mechanics of Chinese Academy of Sciences (XIOPM-CAS))

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 141

Type: **not specified**

A novel bowl-shape microchannel plate with high electron collection efficiency and good time resolution

Monday, May 28, 2018 4:33 PM (1 minute)

Presenter: CHEN, Ping (Xi'an Institute of Optics and Precision Mechanics of Chinese Academy of Sciences (XIOPM-CAS))

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 142

Type: **not specified**

The 'Gen-II' LAPPDTM: Large-Area Ceramic-Body Planar MCP-based Photo-Detectors: Large-Area Ceramic-Body Planar MCP-based Photo-Detectors

Monday, May 28, 2018 4:32 PM (1 minute)

Presenter: ELAGIN, Andrey (University of Chicago)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 143

Type: **not specified**

Fast Neutron detectors with silicon photomultiplier readouts

Monday, May 28, 2018 4:31 PM (1 minute)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 144

Type: **not specified**

MCP-PMT production for Belle II TOP detector and further R&D

Monday, May 28, 2018 4:30 PM (1 minute)

Presenter: INAMI, Kenji (Nagoya university)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 145

Type: **not specified**

Spatial time resolution of MCP-PMTs as a time reference with sub-4 picoseconds precision

Monday, May 28, 2018 4:29 PM (1 minute)

Presenter: SOHL, Lukas (CEA)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 146

Type: **not specified**

Modelling of picosecond timing signals from fast vacuum photodiodes

Monday, May 28, 2018 4:28 PM (1 minute)

Presenter: LAPINGTON, Jon (University of Leicester)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 147

Type: **not specified**

Monte Carlo Modelling of Optical Crosstalk in Silicon Photomultipliers

Monday, May 28, 2018 4:27PM (1 minute)

Presenter: WILLIAMS, JAMIE (University of Leicester)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 148

Type: **not specified**

A SiPM based cryogenic Photo Detector Module for dark matter searches OK

Monday, May 28, 2018 4:26 PM (1 minute)

Presenter: MANDARANO, Andrea (GSGC)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: **149**

Type: **not specified**

PID techniques and performance at LHCb in Run 2

Monday, May 28, 2018 4:25 PM (1 minute)

Presenter: HUSHCHYN, Mikhail (Yandex School of Data Analysis (YSDA))

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 150

Type: **not specified**

A large silicon photomultiplier for the readout of barium fluoride scintillation light

Monday, May 28, 2018 4:24 PM (1 minute)

Presenter: HITLIN, David (Caltech)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 151

Type: **not specified**

Neutrino-Antineutrino Identification in a Liquid Scintillator Detector: towards a novel decay-at-rest-based neutrino CPV framework

Monday, May 28, 2018 4:23 PM (1 minute)

Presenter: GRASSI, Marco (APC - IN2P3 - CNRS)

Session Classification: Photo Detectors and PID - Poster Session

Contribution ID: 152

Type: **not specified**

Advancements and plans for LHC upgrade detector thermal management with CO₂ evaporative cooling

Tuesday, May 29, 2018 10:40 AM (1 minute)

Presenter: TROPEA, Paola (CERN)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 153

Type: **not specified**

ATLAS “”Baby-DEMO”

Tuesday, May 29, 2018 10:37 AM (1 minute)

Presenter: ZWALINSKI, Lukasz (CERN)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 154

Type: **not specified**

Advanced Through Silicon Vias for Hybrid Pixel Detector Modules

Tuesday, May 29, 2018 10:34 AM (1 minute)

Presenter: HUEGGING, Fabian (University of Bonn)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 155

Type: **not specified**

Silicon Photomultiplier Detector with Multipurpose In-Pixel Electronics in Standard CMOS Technology

Tuesday, May 29, 2018 10:31 AM (1 minute)

Presenter: BLANCO, Roberto (KIT IPE)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 156

Type: **not specified**

Systematic Modeling and Simulations with Analytical Solutions of Electric and Weighting Fields of 2D-Planar-Electrode and 3D-Trench-Electrode Detectors and Detector Array in Cartesian and Cylindrical Coordinates

Tuesday, May 29, 2018 10:28 AM (1 minute)

Presenter: LI, Zheng (BNL)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 157

Type: **not specified**

Development of the radiation hard high-speed monolithic “MALTA” CMOS sensor for the ATLAS ITK outer pixel layer

Tuesday, May 29, 2018 10:25 AM (1 minute)

Presenter: PERNEGGER, Heinz (CERN Physics Department)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 158

Type: **not specified**

New results on the FBK-INFN-LPNHE thin n-on-p pixel detectors for the upgrade of the ATLAS Inner Tracker

Tuesday, May 29, 2018 10:22 AM (1 minute)

Presenter: CALDERINI, Giovanni (PI)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 159

Type: **not specified**

Characterisation of the radiation hardness of HV-CMOS sensors using the Transient Current Technique

Tuesday, May 29, 2018 10:19 AM (1 minute)

Presenter: MERLASSINO, Claudia (Universitaet Bern (CH))

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **160**

Type: **not specified**

Low Gain Avalanche Diodes for Precision Timing in the CMS Endcap

Tuesday, May 29, 2018 10:16 AM (1 minute)

Presenter: COSTA, Marco (TO)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **161**

Type: **not specified**

Precision Timing Capabilities of Silicon Pad Sensors in the CMS HGCAL

Tuesday, May 29, 2018 10:13 AM (1 minute)

Presenter: PITTERS, Florian (CERN)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **162**

Type: **not specified**

Operational Experience and Performance with the ATLAS Pixel detector at the Large Hadron Collider

Tuesday, May 29, 2018 10:10 AM (1 minute)

Presenter: GRUMMER, Aidan (ATLAS Collaboration)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **163**

Type: **not specified**

Modeling Radiation Damage to Pixel Sensors in the ATLAS Detector

Tuesday, May 29, 2018 10:07 AM (1 minute)

Presenter: ROSSINI, Lorenzo (MI)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **164**

Type: **not specified**

Event Upsets in the ATLAS IBL Frontend ASICs

Tuesday, May 29, 2018 10:04 AM (1 minute)

Presenter: ROZANOV, Alexandre (CPPM-IN2P2-CNRS)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 165

Type: **not specified**

The XAFS Fluorescence Detector System based on 64 Silicon Drift Detectors for the SESAME Synchrotron Light Source.

Tuesday, May 29, 2018 10:01 AM (1 minute)

Presenter: RACHEVSKI, Alexandre (TS)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 166

Type: **not specified**

Characterization of a depleted monolithic pixel sensors in 150 nm CMOS technology for the ATLAS Inner Tracker upgrade

Tuesday, May 29, 2018 9:58 AM (1 minute)

Presenter: IGUAZ GUTIERREZ, Francisco Jose (IRFU/CEA-Saclay)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 167

Type: **not specified**

Advances on TCAD numerical modeling of radiation damage effects in silicon detectors for HL-LHC operations

Tuesday, May 29, 2018 9:55 AM (1 minute)

Presenter: PASSERI, Daniele (University and INFN Perugia)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **168**

Type: **not specified**

Performance and Operation of the CMS Phase 1 Pixel Detector

Tuesday, May 29, 2018 9:52 AM (1 minute)

Presenter: CAMINADA, Lea (PSI and University of Zurich)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **169**

Type: **not specified**

ATLAS ITk Strip Detector for High-Luminosity LHC

Tuesday, May 29, 2018 9:49 AM (1 minute)

Presenter: ROSSI, Edoardo (DESY)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 170

Type: **not specified**

Characterization Results of HVCMOS Sensors for Mu3e and ATLAS

Tuesday, May 29, 2018 9:46 AM (1 minute)

Presenter: EHRLER, Felix (KIT)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 171

Type: **not specified**

MuPix8 –Large Area Monolithic HVCMOS Pixel Detector for the Mu3e Experiment

Tuesday, May 29, 2018 9:43 AM (1 minute)

Presenter: WEBER, Alena (Karlsruhe Institute of Technology and University Heidelberg)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 172

Type: **not specified**

Monolithic Sensors in LFoundry Technology: Concepts and Measurements

Tuesday, May 29, 2018 9:40 AM (1 minute)

Presenter: SCHIMASSEK, Rudolf (Karlsruher Institut für Technologie - IPE)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 173

Type: **not specified**

Radiation hardness investigation of thin and low resistivity bulk silicon detectors

Tuesday, May 29, 2018 9:37 AM (1 minute)

Presenter: JAIN, Geetika (Delhi University)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 174

Type: **not specified**

Development of an automated and programmable characterization system for silicon multi-strip sensors

Tuesday, May 29, 2018 9:34 AM (1 minute)

Presenter: JAIN, Geetika (Delhi University)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 175

Type: **not specified**

Combined TCAD and Geant4 simulations of diamond detectors for timing applications

Tuesday, May 29, 2018 9:31 AM (1 minute)

Presenter: PASSERI, Daniele (University and INFN Perugia)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 176

Type: **not specified**

Low temperature characteristics of SIPMs after very high radiation for the SLHC CMS phase II upgrade

Tuesday, May 29, 2018 9:28 AM (1 minute)

Presenter: HEERING, Adriaan (University of Notre Dame (US))

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 177

Type: **not specified**

The new Fast Beam Condition Monitor using diamond and silicon sensors for luminosity measurement at CMS

Tuesday, May 29, 2018 9:25 AM (1 minute)

Presenter: GUTHOFF, Moritz (DESY)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 178

Type: **not specified**

A feasibility test run for the MUonE project

Tuesday, May 29, 2018 9:22 AM (1 minute)

Presenter: BALLERINI, Giovanni (MIB)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 179

Type: **not specified**

Development of Graphene-Based Ionizing Radiation Sensors

Tuesday, May 29, 2018 9:19 AM (1 minute)

Presenter: SCHERZINGER, Julius Peter (PI)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **180**

Type: **not specified**

Development of the proton beam monitor based on the thin diamond crystal for the COMET Experiment

Tuesday, May 29, 2018 9:16 AM (1 minute)

Presenter: FUJII, YUKI (KEK)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **181**

Type: **not specified**

Overview of the CMS beam loss monitoring system (BCML) and the performance the system in 2017

Tuesday, May 29, 2018 9:13 AM (1 minute)

Presenter: OKHOTNIKOV, Vitalii (Tomsk Polytechnic University)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **182**

Type: **not specified**

Searching for a dark photon with PADME at LNF: status of the active diamond target

Tuesday, May 29, 2018 9:10 AM (1 minute)

Presenter: OLIVA, Federica (LE)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **183**

Type: **not specified**

Development and commissioning of the 30 ps time resolution MEGII Pixelated Time detector

Tuesday, May 29, 2018 9:07 AM (1 minute)

Presenter: CATTANEO, Paolo Walter (PV)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **184**

Type: **not specified**

Radiation tolerance characterization of geiger-mode CMOS avalanche diodes for the design of a dual-layer particle detector

Tuesday, May 29, 2018 9:04 AM (1 minute)

Presenter: MUSACCI, Marco (PV)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **185**

Type: **not specified**

Status of the vertex detector program of the CBM experiment at FAIR

Tuesday, May 29, 2018 9:01 AM (1 minute)

Presenter: KLAUS, Philipp (Goethe University Frankfurt)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **186**

Type: **not specified**

DEPFET pixel detector in the Belle II experiment

Tuesday, May 29, 2018 8:58 AM (1 minute)

Presenter: WESSEL, Christian (University of Bonn)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **187**

Type: **not specified**

A fast and quasi-non invasive muon beam monitoring detector working at the highest beam intensity in the world

Tuesday, May 29, 2018 8:55 AM (1 minute)

Presenter: HILDEBRANDT, Malte (Paul Scherrer Institut)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **188**

Type: **not specified**

First experience with the Belle II radiation monitoring system based on s-CVD diamonds

Tuesday, May 29, 2018 8:52 AM (1 minute)

Presenter: VITALE, Lorenzo (TS)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **189**

Type: **not specified**

Modelization of 3D-silicon Pixels for timing applications

Tuesday, May 29, 2018 8:49 AM (1 minute)

Presenter: LOI, Angelo (CA)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **190**

Type: **not specified**

The Gigatracker detector of the NA62 experiment at CERN SPS

Tuesday, May 29, 2018 8:46 AM (1 minute)

Presenter: FEDERICI, Luca (CERN)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **191**

Type: **not specified**

Progress Towards the Development of Cooling Demonstrator of the CBM Silicon Tracking System

Tuesday, May 29, 2018 8:43 AM (1 minute)

Presenter: AGARWAL, Aditi (Indian Institute of Astrophysics, Bangalore, India)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 192

Type: **not specified**

Advanced optical quality assurance of the silicon microstrip sensors of the CBM STS detector

Tuesday, May 29, 2018 8:40 AM (1 minute)

Presenter: LAVRIK, Evgeny (University of Tübingen)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 193

Type: **not specified**

Charge sharing of single photons in finely segmented pixel detectors

Tuesday, May 29, 2018 8:37 AM (1 minute)

Presenter: MONZANI, Simone (MI)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 194

Type: **not specified**

Radiation Damage of LHCb's Silicon Detector Systems

Tuesday, May 29, 2018 8:34 AM (1 minute)

Presenter: ABELLAN, Carlos (Zurich University)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 195

Type: **not specified**

R&D on CO2 cooling using a silicon Microchannel substrate for the LHCb VELO

Tuesday, May 29, 2018 8:25 AM (1 minute)

Presenter: FRANCO LIMA, Vinicius (University of Liverpool)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: 196

Type: **not specified**

Technology Experience in the Construction of Silicon Trackers Detectors for Space Experiments

Tuesday, May 29, 2018 8:31 AM (1 minute)

Presenter: MOVILEANU, Maria (PG)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **197**

Type: **not specified**

The Belle II Silicon Vertex Detector

Tuesday, May 29, 2018 8:28 AM (1 minute)

Presenter: THALMEIER, Richard (HEPHY Vienna)

Session Classification: Solid State Detectors - Poster Session

Contribution ID: **198**

Type: **not specified**

The LUCID-2 detector

Tuesday, May 29, 2018 4:24 PM (1 minute)

Presenter: SBARRA, Carla (BO)

Session Classification: Calorimetry - Poster Session

Contribution ID: 199

Type: **not specified**

Predicting hadron-specific damage from fast hadrons in crystals for calorimetry

Tuesday, May 29, 2018 4:23 PM (1 minute)

Presenter: MARTIN PEREZ, Cristina (LLR, Ecole Polytechnique, IN2P3-CNRS)

Session Classification: Calorimetry - Poster Session

Contribution ID: 200

Type: **not specified**

Test results of 3D fine-grained scintillator detector prototype for a T2K ND280 neutrino active target

Tuesday, May 29, 2018 4:22 PM (1 minute)

Presenter: MINEEV, Oleg (INR RAS)

Session Classification: Calorimetry - Poster Session

Contribution ID: 201

Type: **not specified**

Robustness studies of the Photomultipliers reading out TileCal, the central hadron calorimeter of the ATLAS experiment

Tuesday, May 29, 2018 4:21 PM (1 minute)

Presenter: DI GREGORIO, Giulia (PI)

Session Classification: Calorimetry - Poster Session

Contribution ID: **202**

Type: **not specified**

ATLAS Tile Calorimeter Upgrades for HL-LHC

Tuesday, May 29, 2018 4:20 PM (1 minute)

Presenter: ANGELIDAKIS, Stylianos (Laboratoire de Physique de Clermont, IN2P3/CNRS)

Session Classification: Calorimetry - Poster Session

Contribution ID: **203**

Type: **not specified**

ATLAS TileCal LVPS Upgrade Hardware and Testing

Tuesday, May 29, 2018 4:19 PM (1 minute)

Presenter: HIBBARD, Michael (Univertisy of Texas Arlington)

Session Classification: Calorimetry - Poster Session

Contribution ID: 204

Type: **not specified**

Beam Tests on the ATLAS Tile Calorimeter Demonstrator Module

Tuesday, May 29, 2018 4:18PM (1 minute)

Presenter: VALDES SANTURIO, Eduardo (Stockholm University)

Session Classification: Calorimetry - Poster Session

Contribution ID: 205

Type: **not specified**

Calibration of the calorimeter signal waveform in the SND detector

Tuesday, May 29, 2018 4:17PM (1 minute)

Presenter: SURIN, Ilya (Budker Institute of Nuclear Physics)

Session Classification: Calorimetry - Poster Session

Contribution ID: **206**

Type: **not specified**

Forward hadron calorimeter at MPD/NICA

Tuesday, May 29, 2018 4:16 PM (1 minute)

Presenter: TIMOSHENKO, Anastasia (Olegovna)

Session Classification: Calorimetry - Poster Session

Contribution ID: 207

Type: **not specified**

A Compton Spectrometer to monitor the ELI-NP beam energy

Tuesday, May 29, 2018 4:15 PM (1 minute)

Presenter: BORGHERESI, Rita (FI)

Session Classification: Calorimetry - Poster Session

Contribution ID: **208**

Type: **not specified**

Performance of shashlyk calorimeter read out by SiPMs with high pixel density

Tuesday, May 29, 2018 4:14PM (1 minute)

Presenter: CHIRIKOV-ZORIN, Igor (JINR)

Session Classification: Calorimetry - Poster Session

Contribution ID: 209

Type: **not specified**

The Projectile Spectator Detector for measurement of geometry of heavy ion collisions at the CBM experiment at FAIR

Tuesday, May 29, 2018 4:13 PM (1 minute)

Presenter: KARPUSHKIN, Nikolay (Institute for Nuclear Research of the Russian Academy of Sciences)

Session Classification: Calorimetry - Poster Session

Contribution ID: 210

Type: **not specified**

The upgrade of the CMS PbWO₄ crystal electromagnetic calorimeter for the HL-LHC and prospects for precision timing resolution

Tuesday, May 29, 2018 4:12 PM (1 minute)

Presenter: GHILLARDI, Giorgio (TO)

Session Classification: Calorimetry - Poster Session

Contribution ID: 211

Type: **not specified**

Performance of the CMS electromagnetic calorimeter in the LHC Run II

Tuesday, May 29, 2018 4:11 PM (1 minute)

Presenter: BARTOSIK, Nazar (TO)

Session Classification: Calorimetry - Poster Session

Contribution ID: 212

Type: **not specified**

CMS ECAL Calibration & Alignment

Tuesday, May 29, 2018 4:10 PM (1 minute)

Presenter: WAMORKAR, Tanvi (Northeastern University)

Session Classification: Calorimetry - Poster Session

Contribution ID: 213

Type: **not specified**

Compact Calorimeters with Oriented Crystals

Tuesday, May 29, 2018 4:09 PM (1 minute)

Presenter: BANDIERA, LAURA (FE)

Session Classification: Calorimetry - Poster Session

Contribution ID: 214

Type: **not specified**

Shashlik calorimeters for the ENUBET tagged neutrino beam

Tuesday, May 29, 2018 4:08 PM (1 minute)

Presenter: PARI, Michelangelo (PD)

Session Classification: Calorimetry - Poster Session

Contribution ID: 215

Type: **not specified**

Test beam results of a Silicon-PhotoMultiplier based Dual-Readout Calorimeter module

Tuesday, May 29, 2018 4:07PM (1 minute)

Presenter: ANTONELLO, Massimiliano (MI)

Session Classification: Calorimetry - Poster Session

Contribution ID: **216**

Type: **not specified**

The calorimeters of the PADME experiment

Tuesday, May 29, 2018 4:06 PM (1 minute)

Presenter: Dr GIANOTTI, Paola (LNF)

Session Classification: Calorimetry - Poster Session

Contribution ID: 217

Type: **not specified**

The first large calorimeter based on Lanthanum Bromide coupled to Silicon Photomultipliers: Status and Predictions

Tuesday, May 29, 2018 4:05 PM (1 minute)

Presenter: SCHWENDIMANN, Patrick (PSI)

Session Classification: Calorimetry - Poster Session

Contribution ID: **218**

Type: **not specified**

Detector performance studies for the CMS High Granularity Calorimeter

Tuesday, May 29, 2018 4:04 PM (1 minute)

Presenter: VALENTAN, Manfred (Institute of High Energy Physics Vienna)

Session Classification: Calorimetry - Poster Session

Contribution ID: **219**

Type: **not specified**

JUNO Stero-Calorimetry System JUNO

Tuesday, May 29, 2018 4:03 PM (1 minute)

Presenter: GRASSI, Marco (APC - IN2P3 - CNRS)

Session Classification: Calorimetry - Poster Session

Contribution ID: 220

Type: **not specified**

CALPRO, an unconventional calorimetry approach

Tuesday, May 29, 2018 4:02 PM (1 minute)

Presenter: IACOVACCI, Michele (NA)

Session Classification: Calorimetry - Poster Session

Contribution ID: 221

Type: **not specified**

Identification of Double-Beta Decay Events in a Liquid Scintillator Detector

Tuesday, May 29, 2018 4:01 PM (1 minute)

Presenter: ELAGIN, Andrey (University of Chicago)

Session Classification: Calorimetry - Poster Session

Contribution ID: 222

Type: **not specified**

The Mu2e calorimeter: QA of production crystals and SiPMs and results from Module-0 test beam

Tuesday, May 29, 2018 4:00 PM (1 minute)

Presenter: DI FALCO, Stefano (PI)

Session Classification: Calorimetry - Poster Session

Contribution ID: 223

Type: **not specified**

Cryogenic electronics for photosensors operating in Liquid Xenon

Wednesday, May 30, 2018 8:44 AM (1 minute)

Presenter: DI GIOVANNI, ADRIANO (NEW YORK UNIVERSITY ABU DHABI)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 224

Type: **not specified**

Cryogenic Light Detectors for Rare Event Searches

Wednesday, May 30, 2018 8:43 AM (1 minute)

Presenter: MONDRAGON, Elizabeth (Technical University of Munich)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 225

Type: **not specified**

A frequency domain multiplexing system to readout the TES bolometers on the LSPE/SWIPE experiment

Wednesday, May 30, 2018 8:42 AM (1 minute)

Presenter: VACCARO, Davide (SI)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 226

Type: **not specified**

Optical Properties of TetraPhenylButadiene as wavelength shifter for the detection of VUV scintillation light from liquefied noble gases

Wednesday, May 30, 2018 8:41 AM (1 minute)

Presenter: ROSSELLA, Massimo (PV)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 227

Type: **not specified**

Study on breakdown voltage, quenching resistance and gain from room temperature down to 50 K

Wednesday, May 30, 2018 8:40 AM (1 minute)

Presenter: MENEGOLLI, Alessandro (PV)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 228

Type: **not specified**

Characterization of SiPM arrays with common bias and common readout for applications in liquid argon

Wednesday, May 30, 2018 8:39 AM (1 minute)

Presenter: BABICZ, Marta (CERN/INP Cracow)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 229

Type: **not specified**

Thermal kinetic inductance detectors for soft X-ray spectroscopy

Wednesday, May 30, 2018 8:38 AM (1 minute)

Presenter: FAVERZANI, Marco (MIB)

Session Classification: Cryogenic / Superconductive Devices - Poster Session

Contribution ID: 230

Type: **not specified**

Commissioning of a Si(Li) Compton polarimeter

Wednesday, May 30, 2018 8:37 AM (1 minute)

Presenter: VOCKERT, Marco (Friedrich Schiller University Jena, Institute of Optics and Quantum-mechanics)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 231

Type: **not specified**

Precise measurement of 3D-position of SiPMs in the liquid xenon gamma-ray detector for the MEG II experiment

Wednesday, May 30, 2018 8:36 AM (1 minute)

Presenter: KOBAYASHI, Satoru (The University of Tokyo)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 232

Type: **not specified**

The ICARUS T600 detector overhaul at CERN

Wednesday, May 30, 2018 8:35 AM (1 minute)

Presenter: ZANI, Andrea (CERN)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 233

Type: **not specified**

Experimental study of the propagation of scintillation light in liquid argon

Wednesday, May 30, 2018 8:34 AM (1 minute)

Presenter: BORDONI, Stefania (CERN)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 234

Type: **not specified**

maXs: Micro-calorimeter Arrays for High Resolution X-Ray Spectroscopy in Atomic Physics

Wednesday, May 30, 2018 8:33 AM (1 minute)

Presenter: SPILLMANN, Uwe (GSI)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 235

Type: **not specified**

OSQAR chameleon afterglow search experiment

Wednesday, May 30, 2018 8:32 AM (1 minute)

Presenter: SULC, Miroslav (Technical University of Liberec)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 236

Type: **not specified**

High energy resolution thermal microcalorimeters for the HOLMES experiment

Wednesday, May 30, 2018 8:31 AM (1 minute)

Presenter: FAVERZANI, Marco (MIB)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 237

Type: **not specified**

New developments in Silicon Photomultipliers for Cryogenic Applications

Wednesday, May 30, 2018 8:30 AM (1 minute)

Presenter: PATERNOSTER, Giovanni (Fondazione Bruno Kessler)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session

Contribution ID: 238

Type: **not specified**

MWPC-based Muographic Observation System for remote monitoring of active volcanoes

Thursday, May 31, 2018 4:04PM (1 minute)

Presenter: OLÁH, László (Earthquake Research Institute, The University of Tokyo)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 239

Type: **not specified**

Development of high-resolution Compton camera for prompt gamma-ray imaging during proton therapy

Thursday, May 31, 2018 4:03PM (1 minute)

Presenter: MOCHIZUKI, Saku (Waseda University)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 240

Type: **not specified**

Development of new compact neutron camera for safe proton therapy

Thursday, May 31, 2018 4:02 PM (1 minute)

Presenter: TAGAWA, Leo (Waseda Univ.)

Session Classification: Application to Life Sciences and Other Challanges - Poster Session

Contribution ID: 241

Type: **not specified**

Intense thermal neutron fields based on a medical Linac -The e_LIBANS project

Thursday, May 31, 2018 4:01PM (1 minute)

Presenter: COSTA, Marco (TO)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 242

Type: **not specified**

Cadmium Manganese Telluride versus Cadmium Zinc Telluride for X-ray detectors

Thursday, May 31, 2018 4:00 PM (1 minute)

Presenter: RUZIN, Arie (Tel Aviv University)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 243

Type: **not specified**

Evaluation of LFS continuous scintillation crystals for PET 1

Thursday, May 31, 2018 4:06 PM (1 minute)

Presenter: ROS GARCIA, Ana (IFIC, CSIC–University of Valencia, E-46071 Valencia, Spain)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 244

Type: **not specified**

Real-time wireless personal dosimeter for Interventional Radiology Procedures.

Thursday, May 31, 2018 4:05 PM (1 minute)

Presenter: SERVOLI, Leonello (PG)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 245

Type: **not specified**

Development of innovative PET module with Depth of Interaction and Timing capabilities

Thursday, May 31, 2018 4:07PM (1 minute)

Presenter: STRINGHINI, Gianluca (CERN/ Univesity of Milano-Bicocca)

Session Classification: Application to Life Sciences and Other Challanges - Poster Session

Contribution ID: 246

Type: **not specified**

MACACO II: second prototype of a Compton telescope

Thursday, May 31, 2018 4:08 PM (1 minute)

Presenter: ROS GARCIA, Ana (IFIC, CSIC–University of Valencia, E-46071 Valencia, Spain)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 247

Type: **not specified**

In-room characterization, using an anthropomorphic phantom, of a novel detector exploiting secondary charged particles emission for on-line dose monitoring in light ions PT treatments

Thursday, May 31, 2018 4:09 PM (1 minute)

Presenter: GIOSCIO, Eliana (LNF)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 248

Type: **not specified**

Evaluation of double-sided silicon microstrip sensors as tracker components for FOOT experiment

Thursday, May 31, 2018 4:10 PM (1 minute)

Presenter: SILVESTRE, Gianluigi (PG)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 249

Type: **not specified**

Test beam facilities at BINP

Thursday, May 31, 2018 4:11 PM (1 minute)

Presenter: BOBROVNIKOV, Viktor (Budker Institute of Nuclear Physics SB RAS)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 250

Type: **not specified**

METU Defocusing Beamline Project for the First SEE Tests in Turkey and the Test Results from the METU-DBL Preliminary Setup

Thursday, May 31, 2018 4:12PM (1 minute)

Presenter: NIGDELIOGLU, Selen (Middle East Technical University)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 251

Type: **not specified**

RADIATION AND THERMAL STRESS TESTS ON DIAMOND DETECTORS FOR THE RADIAL NEUTRON CAMERA OF ITER

Thursday, May 31, 2018 4:13PM (1 minute)

Presenter: POMPILI, Fulvio (ENEA)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 252

Type: **not specified**

Evaluation of a ZnS:6LiF based scintillation neutron detector at high counting rates

Thursday, May 31, 2018 4:14PM (1 minute)

Presenter: HILDEBRANDT, Malte (Paul Scherrer Institut)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 253

Type: **not specified**

Development of an ultra thin monitor for charged particle beams

Thursday, May 31, 2018 4:15 PM (1 minute)

Presenter: BOYER, Bruno (Laboratoire Leprince-Ringuet)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 254

Type: **not specified**

SENSE - Ultimate Low Light-Level Sensor Development

Thursday, May 31, 2018 4:16 PM (1 minute)

Presenter: STROM, Derek (University of Illinois at Chicago)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 255

Type: **not specified**

The ΔE -TOF detector of the FOOT experiment: experimental tests and Monte Carlo simulations

Thursday, May 31, 2018 4:17PM (1 minute)

Presenter: CIARROCCHI, Esther (PI)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 256

Type: **not specified**

Low statistics activity reconstruction methods with the DoPET system

Thursday, May 31, 2018 4:18 PM (1 minute)

Presenter: ROSSO, Valeria (PI)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 257

Type: **not specified**

Gamma beam collimation system and profile imager for ELI-NP

Thursday, May 31, 2018 4:19PM (1 minute)

Presenter: CARDARELLI, Paolo (FE)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 258

Type: **not specified**

Recent achievements in Life Sciences of the TwinMic soft spectromicroscopy beamline at Elettra

Thursday, May 31, 2018 4:20PM (1 minute)

Presenter: GIANONCELLI, Alessandra (Elettra Sincrotrone Trieste)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 259

Type: **not specified**

XRF topography information; simulations and data from a novel SDD system 1'

Thursday, May 31, 2018 4:21PM (1 minute)

Presenter: GEORGE, Kourousias (Elettra - Sincrotrone Trieste)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 260

Type: **not specified**

The INSIDE bimodal system for range monitoring in particle therapy toward clinical validation

Thursday, May 31, 2018 4:22 PM (1 minute)

Presenter: BISOGNI, Maria Giuseppina (PI)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 261

Type: **not specified**

CHNET_TANDEM experiment: Use of Negative Muons at Port4 of the RIKEN-RAL for elemental characterization of “Nuragic votive ship” samples

Thursday, May 31, 2018 4:23 PM (1 minute)

Presenter: CLEMENZA, Massimiliano (MIB)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 262

Type: **not specified**

Silicon Photomultipliers Applied to Fluorescence Detection of Biomarkers

Thursday, May 31, 2018 4:24PM (1 minute)

Presenter: DOROSZ, Piotr (AGH University of Science & Technology)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 263

Type: **not specified**

The new sample preparation line for radiocarbon measurements at the INFN Bari laboratory

Thursday, May 31, 2018 4:25 PM (1 minute)

Presenter: BARILE, Francesco (BA)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 264

Type: **not specified**

A C-14 beam monitor using silicon solid state sensor for cultural heritage

Thursday, May 31, 2018 4:26 PM (1 minute)

Presenter: BARILE, Francesco (BA)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 265

Type: **not specified**

Nuclear Resonant Scattering for Gamma-Beam Characterization procedure at ELI-NP

Thursday, May 31, 2018 4:27PM (1 minute)

Presenter: CAPPELLO, Gigi (CT)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 266

Type: **not specified**

A pixelated Faraday cup for proton beam diagnostics

Thursday, May 31, 2018 4:28 PM (1 minute)

Presenter: SIGNORELLI, Giovanni (PI)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 267

Type: **not specified**

Innovative 3D sensitive CdZnTe solid state detector for dose monitoring in Boron Neutron Capture Therapy (BNCT)

Thursday, May 31, 2018 4:29PM (1 minute)

Presenter: PROTTI, Nicoletta (PV)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 268

Type: **not specified**

Innovation in online hadrontherapy monitoring: an in-beam PET and prompt-gamma-timing combined device.

Thursday, May 31, 2018 4:31PM (1 minute)

Presenter: FERRERO, Veronica (TO)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 269

Type: **not specified**

The Restoration of Early Sound Recordings using Optical Metrology and Image Analysis

Thursday, May 31, 2018 4:30 PM (1 minute)

Presenter: HABER, Carl (Lawrence Berkeley National Laboratory)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session

Contribution ID: 270

Type: **not specified**

Combined Optical and Electronic Readout for Event Reconstruction in a GEM-based TPC

Friday, June 1, 2018 9:11 AM (1 minute)

Presenter: FLORIAN, Brunbauer (CERN, Technische Universität Wien)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 271

Type: **not specified**

Study of performances of a straw tube detector with high rate

Friday, June 1, 2018 9:10 AM (1 minute)

Presenter: BISWAS, Saikat (Variable Energy Cyclotron Centre)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 272

Type: **not specified**

Study of stability of gain and energy resolution for GEM detector

Friday, June 1, 2018 9:09 AM (1 minute)

Presenter: RUDRA, SHARMILI (Seacom Engineering College)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 273

Type: **not specified**

Spatial resolution of triple-GEM detectors

Friday, June 1, 2018 9:08 AM (1 minute)

Presenter: MALTSEV, Timofei (Budker Institute of Nuclear Physics (BINP))

Session Classification: Gas Detectors - Poster Session

Contribution ID: 274

Type: **not specified**

Experimental ion mobility measurements for the LCTPC Collaboration

Friday, June 1, 2018 9:07 AM (1 minute)

Presenter: VENTURA CORTEZ, André Filipe (Laboratório de Instrumentação e Física Experimental de Partículas)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 275

Type: **not specified**

Ultra long-lived particles searches with MATHUSLA

Friday, June 1, 2018 9:06 AM (1 minute)

Presenter: MARSELLA, Giovanni (LE)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 276

Type: **not specified**

Production and Characterization of GEM Foils in India

Friday, June 1, 2018 9:05 AM (1 minute)

Presenter: SHAH, Aashaq Hussain (University of Delhi)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 277

Type: **not specified**

High resolution TPC based on optically readout GEM

Friday, June 1, 2018 9:04 AM (1 minute)

Presenter: PINCI, Davide (ROMA1)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 278

Type: **not specified**

Impact of Single-Mask Hole Asymmetry on the properties of GEM Detectors

Friday, June 1, 2018 9:03 AM (1 minute)

Presenter: SHAH, Aashaq Hussain (University of Delhi)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 279

Type: **not specified**

MRPC with high time resolution for BESIII

Friday, June 1, 2018 9:02 AM (1 minute)

Presenter: HENG, Yuekun (Institute of High Energy Physics, Chinese Academy of Sciences, Beijing, China)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 280

Type: **not specified**

Upgrade of the ATLAS Muon Spectrometer with new Small-Diameter Drift-tube Chambers

Friday, June 1, 2018 9:01 AM (1 minute)

Presenter: NOWAK, Sebastian (Max-Planck-Institut for Physics)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 281

Type: **not specified**

Design of the FCC-hh Muon Detector and Trigger System

Friday, June 1, 2018 9:00 AM (1 minute)

Presenter: KORTNER, Oliver (Max-Planck-Institut für Physik)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 282

Type: **not specified**

Performance of proportional counters filled with Xe + 5% TMA under high count rate

Friday, June 1, 2018 8:59 AM (1 minute)

Presenter: KOWALSKI, Tadeusz (AGH University of Science and Technology, Faculty of Physics and Applied Computer Science)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 283

Type: **not specified**

Development of gaseous particle detectors based on semi-conductive plate electrodes

Friday, June 1, 2018 8:58 AM (1 minute)

Presenter: CARDARELLI, Paolo (FE)

Session Classification: Gas Detectors - Poster Session

Contribution ID: **284**

Type: **not specified**

The new drift chamber of the MEG II experiment

Friday, June 1, 2018 8:57 AM (1 minute)

Presenter: CHIAPPINI, Marco (SI)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 285

Type: **not specified**

The micro-Resistive WELL detector for the phase 2 upgrade of the LHCb muon detector

Friday, June 1, 2018 8:56 AM (1 minute)

Presenter: MORELLO, Gianfranco (INFN)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 286

Type: **not specified**

Commissioning and performance of the GE1/1 slice test detectors

Friday, June 1, 2018 8:55 AM (1 minute)

Presenter: VAI, Ilaria (PV)

Session Classification: Gas Detectors - Poster Session

Contribution ID: **287**

Type: **not specified**

The Multi-Blade 10B-based neutron detector

Friday, June 1, 2018 8:54 AM (1 minute)

Presenter: MESSI, Francesco (Division of Nuclear Physics, Lund University)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 288

Type: **not specified**

Measurement and simulation of the background in the CMS muon detectors

Friday, June 1, 2018 8:53 AM (1 minute)

Presenter: CALABRIA, Cesare (BA)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 289

Type: **not specified**

Protection of the vacuum-working drift chambers with thin-walled tubes (straw) from working gas leakage into vacuum

Friday, June 1, 2018 8:52 AM (1 minute)

Presenter: GLONTI, Levan (Joint Institute for Nuclear Research, Dubna)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 290

Type: **not specified**

Study of uniformity of characteristics over the surface for triple GEM detector

Friday, June 1, 2018 8:51 AM (1 minute)

Presenter: ROY, Shreya (Bose Institute)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 291

Type: **not specified**

Production and quality control of the new chambers with GEM technology in the CMS muon system

Friday, June 1, 2018 8:50 AM (1 minute)

Presenter: VENDITTI, ROSAMARIA (BA)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 292

Type: **not specified**

A new type of RPC with very low resistive plates

Friday, June 1, 2018 8:49 AM (1 minute)

Presenter: ROY, Shreya (Bose Institute)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 293

Type: **not specified**

Test of new Eco-Gas mixtures for the Multigap Resistive Plate Chambers of the EEE Project

Friday, June 1, 2018 8:48 AM (1 minute)

Presenter: TRIMARCHI, Marina (CT)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 294

Type: **not specified**

Small-Strip Thin Gap Chambers for the Muon Spectrometer Upgrade of the ATLAS Experiment

Friday, June 1, 2018 8:47 AM (1 minute)

Presenter: ROJAS, Rimsky (UTFSM)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 295

Type: **not specified**

Design and Construction of Integrated Small Diameter Drift Tube Chambers and Thin-Gap Resistive Plate Chambers for the Phase-I Upgrade of the ATLAS Muon Spectrometer

Friday, June 1, 2018 8:46 AM (1 minute)

Presenter: KROHA, Hubert (Max-Planck-Institut fuer Physik)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 296

Type: **not specified**

Studies of the MicroMegas performances using the SM1 prototype with data recorded at the Cosmic Ray Stand of LNF

Friday, June 1, 2018 8:45 AM (1 minute)

Presenter: MANCINI, Giada (LNF)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 297

Type: **not specified**

High Voltage Stability and Cleaning of 2m² Resistive Strip Micromegas Detectors

Friday, June 1, 2018 8:44 AM (1 minute)

Presenter: MASSAROTTI, Paolo (NA)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 298

Type: **not specified**

Performance of the CMS Muon System in LHC Run-2

Friday, June 1, 2018 8:43 AM (1 minute)

Presenter: BATTILANA, Carlo (BO)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 299

Type: **not specified**

Performance and Calibration of 2m² Micromegas Detectors for the ATLAS Muon Spectrometer Upgrade

Friday, June 1, 2018 8:42 AM (1 minute)

Presenter: MANIATIS, Ioannis (Aristotle University of Thessaloniki)

Session Classification: Gas Detectors - Poster Session

Contribution ID: **300**

Type: **not specified**

Design of a gaseous beam monitor device using a GPU based simulation code

Friday, June 1, 2018 8:41 AM (1 minute)

Presenter: BARLERIN, Edgar (LPC Caen)

Session Classification: Gas Detectors - Poster Session

Contribution ID: **301**

Type: **not specified**

Upgrade program of the RPC system of the CMS Muon Spectrometer

Friday, June 1, 2018 8:40 AM (1 minute)

Presenter: VOEVODINA, Elena (NA)

Session Classification: Gas Detectors - Poster Session

Contribution ID: **302**

Type: **not specified**

A Fast Timing Micro-Pattern Gaseous Detector for Future Accelerators and TOF-PET

Friday, June 1, 2018 8:39 AM (1 minute)

Presenter: RADOGNA, Raffaella (BA)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 303

Type: **not specified**

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

Friday, June 1, 2018 8:38 AM (1 minute)

Presenter: GARBINI, Marco (BO)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 304

Type: **not specified**

A double-mesh gaseous structure developed with a thermal bonding technique for single electron detection

Friday, June 1, 2018 8:37 AM (1 minute)

Presenter: LIU, Jianbei (University of Science and Technology of China)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 305

Type: **not specified**

Implementation of the code for the simulation of the response of a triple-GEM tracker and its comparison to the experimental data

Friday, June 1, 2018 8:36 AM (1 minute)

Presenter: LAVEZZI, Lia (TO)

Session Classification: Gas Detectors - Poster Session

Contribution ID: **306**

Type: **not specified**

The tracking system for the IDEA detector at future lepton colliders

Friday, June 1, 2018 8:35 AM (1 minute)

Presenter: TASSIELLI, Giovanni Francesco (LE)

Session Classification: Gas Detectors - Poster Session

Contribution ID: **307**

Type: **not specified**

Timing studies of a bakelite multi-gap resistive plate chamber

Friday, June 1, 2018 8:34 AM (1 minute)

Presenter: GANAI, Rajesh (GSI, Germany)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 308

Type: **not specified**

Aging Phenomena and Discharge Probability Studies of the triple-GEM detectors for future upgrades of the CMS muon high rate region at the HL-LHC

Friday, June 1, 2018 8:33 AM (1 minute)

Presenter: FALLAVOLLITA, Francesco (PV)

Session Classification: Gas Detectors - Poster Session

Contribution ID: **309**

Type: **not specified**

The construction technique of the new MEG2 tracker

Friday, June 1, 2018 8:32 AM (1 minute)

Presenter: CHIARELLO, Gianluigi (ROMA1)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 310

Type: **not specified**

Improving spatial and PID performance of the high transparency Drift Chamber by using the Cluster Counting and Timing techniques

Friday, June 1, 2018 8:31 AM (1 minute)

Presenter: CHIARELLO, Gianluigi (ROMA1)

Session Classification: Gas Detectors - Poster Session

Contribution ID: 311

Type: **not specified**

Comparative study of triple and quadruple GEM detectors and effect of drift field on the electron transparency

Friday, June 1, 2018 8:30 AM (1 minute)

Presenter: PATRA, Rajendra Nath (Variable Energy Cyclotron Centre, Kolkata, India)

Session Classification: Gas Detectors - Poster Session

Contribution ID: **312**

Type: **not specified**

Web-based Experiment Monitoring with HTML5

Friday, June 1, 2018 4:11 PM (1 minute)

Presenter: RITT, Stefan (PSI, Switzerland)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 313

Type: **not specified**

From the Phase-0 DAQ upgrade of entire ATLAS Pixel Detector towards the Phase-2 electronics upgrdae

Friday, June 1, 2018 4:10 PM (1 minute)

Presenter: GABRIELLI, Alessandro (BO)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 314

Type: **not specified**

Optical Fiber Center Module for the KOTO Experiment

Friday, June 1, 2018 4:09 PM (1 minute)

Presenter: BOGDAN, Mircea (The University of Chicago)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 315

Type: **not specified**

Kalman meets Molière : Optimal measurement of charged particle momentum from multiple scattering by Bayesian analysis of filtering innovations

Friday, June 1, 2018 4:08 PM (1 minute)

Presenter: BERNARD, Denis (LLR Ecole Polytechnique)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: **316**

Type: **not specified**

Computing Infrastructure at the CERN Neutrino Platform prototypes experiments

Friday, June 1, 2018 4:07PM (1 minute)

Presenter: BENEKOS, Nektarios (National Technical University of Athens)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 317

Type: **not specified**

WaveDAQ: an highly integrated trigger and data acquisition system

Friday, June 1, 2018 4:06 PM (1 minute)

Presenter: GALLI, Luca (PI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 318

Type: **not specified**

Upgrade of the ATLAS detectors and trigger at the High Luminosity LHC: tracking and timing for pile-up suppression

Friday, June 1, 2018 4:05 PM (1 minute)

Presenter: TESTA, Marianna (LNF)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: **319**

Type: **not specified**

FATALIC: a fully integrated electronics for the ATLAS tile calorimeter at the HL-LHC

Friday, June 1, 2018 4:04 PM (1 minute)

Presenter: MADAR, Romain (Université Clermont Auvergne, CNRS/IN2P3, LPC)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 320

Type: **not specified**

First-Level Muon Track Trigger for Future Hadron Collider Experiments

Friday, June 1, 2018 4:03 PM (1 minute)

Presenter: NOWAK, Sebastian (Max-Planck-Institut for Physics)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 321

Type: **not specified**

Test of a New Octal Amplifier Shaper Discriminator Chip for the ATLAS MDT Chambers at HL-LHC

Friday, June 1, 2018 4:01 PM (1 minute)

Presenter: KROHA, Hubert (Max-Planck-Institut fuer Physik)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 322

Type: **not specified**

Outcome of the KLOE-2 experiment after the conclusion of the data-taking period

Friday, June 1, 2018 4:02 PM (1 minute)

Presenter: SIRGHI, Florin Catalin (LNF)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 323

Type: **not specified**

Readout chain validation of INFN modules for the CTA-pSCT camera

Friday, June 1, 2018 4:00 PM (1 minute)

Presenter: LOPORCHIO, Serena (BA)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 324

Type: **not specified**

Towards the large area HVCMOS demonstrator for ATLAS ITk

Friday, June 1, 2018 4:42 PM (1 minute)

Presenter: PRATHAPAN, Mridula (Karlsruhe Institute of Technology)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 325

Type: **not specified**

An innovative radiation hardened Content-Addressable Memory

Friday, June 1, 2018 4:41 PM (1 minute)

Presenter: SHOJAII, Seyedruhollah (MI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 326

Type: **not specified**

C++ implementation of Bethe-Heitler, 5D, Polarized, $\gamma \rightarrow e^+e^-$ Pair Conversion Event Generator

Friday, June 1, 2018 4:40 PM (1 minute)

Presenter: SEMENIOUK, Igor (LLR, CNRS/IN2P3 - Ecole Polytechnique)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 327

Type: **not specified**

Upgraded back-end electronics for the CMS Fast Beam Conditions Monitor

Friday, June 1, 2018 4:39 PM (1 minute)

Presenter: TOSI, Nicolò (BO)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 328

Type: **not specified**

The Phase-I Trigger Readout Electronics Upgrade of the ATLAS Liquid Argon Calorimeters

Friday, June 1, 2018 4:38 PM (1 minute)

Presenter: YANG, Yi-Lin (The University of Tokyo)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 329

Type: **not specified**

The CMS Level-1 tau lepton and vector boson fusion triggers for the LHC Run II

Friday, June 1, 2018 4:37PM (1 minute)

Presenter: MARTIN PEREZ, Cristina (LLR, Ecole Polytechnique, IN2P3-CNRS)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 330

Type: **not specified**

Development of a highly selective muon trigger exploiting the high spatial resolution of monitored drift-tube chambers for the ATLAS experiment at the HL-LHC

Friday, June 1, 2018 4:36 PM (1 minute)

Presenter: KORTNER, Oliver (Max-Planck-Institut für Physik)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 331

Type: **not specified**

Design and Preliminary Characterization Results of BASIC64, a New Mixed-Signal ASIC for SiPM Detectors

Friday, June 1, 2018 4:35 PM (1 minute)

Presenter: CALÒ, Pietro Antonio Paolo (Politecnico di Bari)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 332

Type: **not specified**

Monte Carlo Response Function Simulations for the HEXITEC CdTe X-ray Detector

Friday, June 1, 2018 4:34 PM (1 minute)

Presenter: KOCH-MEHRIN, Kjell (University of Leicester)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 333

Type: **not specified**

Reconstruction at 30 MHz for the LHCb upgrade.

Friday, June 1, 2018 4:33 PM (1 minute)

Presenter: SZUMLAK, Tomasz (AGH - University of Science and Technology)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 334

Type: **not specified**

Towards new Front-End Electronics for the HADES Drift Chamber System

Friday, June 1, 2018 4:32 PM (1 minute)

Presenter: WIEBUSCH, Michael (Goethe-University Frankfurt)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 335

Type: **not specified**

Selecting and Designing the Front-end Amplifier for High-gain Photomultiplier Detectors with Optimal Timing Performance

Friday, June 1, 2018 4:31PM (1 minute)

Presenter: CORSI, Francesco (Politecnico di Bari)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 336

Type: **not specified**

Performance results of the trigger logic implemented in EUSO-SPB

Friday, June 1, 2018 4:30 PM (1 minute)

Presenter: BERTAINA, Mario Edoardo (TO)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 337

Type: **not specified**

Design of a high radiation-hard driver for Mach-Zehnder Modulators based high-speed links for hadron collider applications

Friday, June 1, 2018 4:29 PM (1 minute)

Presenter: PALLA, Fabrizio (PI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 338

Type: **not specified**

Scintillation light DAQ and trigger system for the ICARUS T600 experiment at Fermilab

Friday, June 1, 2018 4:28 PM (1 minute)

Presenter: BABICZ, Marta (CERN/INP Cracow)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 339

Type: **not specified**

Data acquisition system for the EDET DH80k instrument

Friday, June 1, 2018 4:27PM (1 minute)

Presenter: POLOVYKH, Mikhail (HLL MPG)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: **340**

Type: **not specified**

The MYTHEN-III strip detector prototypes

Friday, June 1, 2018 4:26 PM (1 minute)

Presenter: ANDRÁ, Marie (Paul-Scherrer-Institut)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: **341**

Type: **not specified**

Low Latency serial communication for MEG II Trigger system

Friday, June 1, 2018 4:25 PM (1 minute)

Presenter: FRANCESCONI, Marco (PI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 342

Type: **not specified**

Front-end electronic system for large area photomultipliers readout

Friday, June 1, 2018 4:24 PM (1 minute)

Presenter: MUSICO, Paolo (GE)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 343

Type: **not specified**

A low cost, high speed, mltichannel Analog to Digital converter board

Friday, June 1, 2018 4:23 PM (1 minute)

Presenter: MUSICO, Paolo (GE)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 344

Type: **not specified**

High performance DAQ for muon spectroscopy experiments

Friday, June 1, 2018 4:22 PM (1 minute)

Presenter: SOLDANI, Mattia (MIB)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 345

Type: **not specified**

First test results of the CHIPIX65 asynchronous front-end connected to a 3D sensor

Friday, June 1, 2018 4:21 PM (1 minute)

Presenter: GAIONI, Luigi (PV)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 346

Type: **not specified**

Testing and integration of front end electronics for INO-ICAL RPCs

Friday, June 1, 2018 4:20 PM (1 minute)

Presenter: GAUR, Ankit (UNIVERSITY OF DELHI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 347

Type: **not specified**

Radiation study of FPGAs with neutron beam for the COMET Phase-I

Friday, June 1, 2018 4:19 PM (1 minute)

Presenter: NAKAZAWA, Yu (Osaka Univ.)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 348

Type: **not specified**

Software framework architecture for the high data rate soft X-rays PERCIVAL imager

Friday, June 1, 2018 4:18 PM (1 minute)

Presenter: BOITRELLE, Benjamin (SOLEIL)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: **349**

Type: **not specified**

Mu2e calorimeter readout electronic

Friday, June 1, 2018 4:17PM (1 minute)

Presenter: CAIULO, Davide (PI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 350

Type: **not specified**

Level-1 track finding with an all-FPGA system at CMS for the HL-LHC

Friday, June 1, 2018 4:16 PM (1 minute)

Presenter: ARDILA PEREZ, Luis (Karlsruhe Institute of Technology)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 351

Type: **not specified**

Design of the ATLAS phase-II hardware based tracking processor

Friday, June 1, 2018 4:15 PM (1 minute)

Presenter: POGGI, Riccardo (University of Geneva)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 352

Type: **not specified**

Design and test of the calibration system of the MEGII Pixelated timing Counter

Friday, June 1, 2018 4:14PM (1 minute)

Presenter: CATTANEO, Paolo Walter (PV)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 353

Type: **not specified**

Front-End Electronics of the Electromagnetic Barrel-Calorimeter for the PANDA Target Spectrometer*

Friday, June 1, 2018 4:13 PM (1 minute)

Presenter: HAHN, Christopher (II. Physikalisches Institut —Physik - Justus-Liebig-Universität Gießen)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 354

Type: **not specified**

The algorithm of the CMS Level-1 Overlap Muon Track Finder trigger

Friday, June 1, 2018 4:12 PM (1 minute)

Presenter: BUNKOWSKI, Karol (Warsaw University)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 355

Type: **not specified**

The new trigger/GPS module for the EEE Project

Friday, June 1, 2018 4:55 PM (1 minute)

Presenter: PANETTA, Maria Paola (LE)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 356

Type: **not specified**

Trigger Performance Verification and Simulation of the FlashCam Prototype Camera

Friday, June 1, 2018 4:54 PM (1 minute)

Presenter: SAILER, Simon (Max-Planck-Institute for Nuclear Physics)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 357

Type: **not specified**

Silicon Drift Detectors arrays and readout ASICs for the SIDDHARTA experiment

Friday, June 1, 2018 4:53 PM (1 minute)

Presenter: AMIRKHANI, Aidin (MI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 358

Type: **not specified**

Self-Contained Configuration Scrubbing in Xilinx FPGAs for On-detector Applications

Friday, June 1, 2018 4:52 PM (1 minute)

Presenter: GIORDANO, Raffaele (NA)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 359

Type: **not specified**

Characterization and first field results of a new 64ch custom front-end ASIC for GEM readout

Friday, June 1, 2018 4:51PM (1 minute)

Presenter: ALEXEEV, Maxim (TO)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: **360**

Type: **not specified**

Development of a high voltage power supply for detectors using photo-diode

Friday, June 1, 2018 4:50 PM (1 minute)

Presenter: RUDRA, SHARMILI (Seacom Engineering College)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 361

Type: **not specified**

Performance of a high-throughput tracking processor implemented on Stratix-V FPGA

Friday, June 1, 2018 4:49 PM (1 minute)

Presenter: LAZZARI, Federico (PI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: **362**

Type: **not specified**

A new readout electronics for the LHCb Muon Detector Upgrade

Friday, June 1, 2018 4:48 PM (1 minute)

Presenter: BRUNDU, Davide (CA)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: **363**

Type: **not specified**

Muon g-2 Calibration system data flow

Friday, June 1, 2018 4:47PM (1 minute)

Presenter: MASTROIANNI, Stefano (NA)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 364

Type: **not specified**

Operation of Microchannel Plate PMTs with TOFPET multichannel timing electronics

Friday, June 1, 2018 4:46 PM (1 minute)

Presenter: LAPINGTON, Jon (University of Leicester)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 365

Type: **not specified**

Design and performance evaluation of front-end electronics for COMET straw tracker

Friday, June 1, 2018 4:45 PM (1 minute)

Presenter: UENO, Kazuki (KEK)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 366

Type: **not specified**

The Monitoring Electronics of the Laser Calibration System in the Muon g-2 experiment

Friday, June 1, 2018 4:44 PM (1 minute)

Presenter: IACOVACCI, Michele (NA)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session

Contribution ID: 367

Type: **not specified**

The performance of the CMS ECAL data acquisition system at LHC Run 2

Friday, June 1, 2018 4:43 PM (1 minute)

Presenter: WAMORKAR, Tanvi (Northeastern University)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session