PM2018 - 14th Pisa Meeting on Advanced Detectors

Report of Contributions
The APPEC roadmap for Astroparticle Physics, experiments and detectors

Monday, 28 May 2018 08:50 (45)

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

Session Classification: Welcome Addresses & Opening Talk

Track Classification: S0
The Imaging X-ray Polarimetry Explorer (IXPE)

Monday, 28 May 2018 09:35 (15)

Presenter(s) : SGRO’, Carmelo (PI)

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

Track Classification : S1
HERMES: An ultra-wide band X and gamma-ray transient monitor on board a nano-satellite constellation

Monday, 28 May 2018 09:55 (20)

Presenter(s): FUSCHINO, Fabio (BO)

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

Track Classification: S1
A compact low threshold gamma-ray detector composed of LaBr3 and SiPMs for GECAM

Monday, 28 May 2018 10:20 (15)

Presenter(s): SUN, Xilei (IHEP)

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

Track Classification: S1
S1-Poster Review

Monday, 28 May 2018 10:40 (25)

Presenter(s): MARIOTTI, Mose' (PD)

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

Track Classification: S1
The HEPD detector on board CSES satellite: in-flight performance

Monday, 28 May 2018 11:40 (15)

Presenter(s): OSTERIA, Giuseppe (NA)

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

Track Classification: S1
Contribution ID : 7

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

Monday, 28 May 2018 12:00 (15)

Presenter(s) : BAGLI, Enrico (FE)

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

Track Classification : S1
Darkside-20k and the future Liquid Argon Dark Matter program

Monday, 28 May 2018 12:20 (15)

Presenter(s) : FIORILLO, Giuliana (NA)

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

Track Classification : S1
KM3NeT : next-generation neutrino telescope under the Mediterranean Sea

Monday, 28 May 2018 12:40 (10)

Presenter(s) : LE BRETON, Rémy (APC)

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

Track Classification : S1
The detectors of the SHiP experiment at CERN

Monday, 28 May 2018 10:47 (3)

Presenter(s) : GRAVERINI, Elena (University of Zurich)

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

Track Classification : P1
FDFP welcome address & Opening Talk

Monday, 28 May 2018 08:30 (5)

Presenter(s) : STEFANINI, Arnaldo (PI)
Session Classification : Welcome Addresses & Opening Talk
Organizing committee welcome

Monday, 28 May 2018 08:40 (5)

Presenter(s) : GRASSI, Marco (PI)
Session Classification : Welcome Addresses & Opening Talk
CUPID-0, challenges and achievements in the struggle of 0-background double-beta decay experiments

Monday, 28 May 2018 16:00 (15)

Presenter(s): DAFINEI, Ioan (ROMA1)
Session Classification: Photo Detectors and PID
Calibration, Commissioning, and Operation of the Time Of Propagation PID Detector at the Belle II Experiment

Monday, 28 May 2018 16:20 (15)

Presenter(s) : GAZ, Alessandro (KMI, Nagoya University)
Session Classification : Photo Detectors and PID
Charged particle timing at sub-25 picosecond precision: the PICOSEC detection concept

Monday, 28 May 2018 16:40 (15)

Presenter(s): IGUAZ GUTIERREZ, Francisco Jose (IRFU/CEA-Saclay)
Session Classification: Photo Detectors and PID
Contribution ID: 16  

**Poster Review (Experimental Applications)**

*Monday, 28 May 2018 17:00 (20)*

**Presenter(s):** HARNEW, Neville (University of Oxford)

**Session Classification:** Photo Detectors and PID
Direct Measurement of Optical Cross-Talk in SiPMs Using Light Emission Microscopy

Monday, 28 May 2018 18:25 (15)

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

Session Classification : Photo Detectors and PID
Next generation 3D digital SiPM for precise timing resolution 15’

Monday, 28 May 2018 18:45 (15)

Presenter(s): PRATTE, Jean-Francois (Universite de Sherbrooke)
Session Classification: Photo Detectors and PID
Large Area Picosecond Photodetector (LAPPD) - Pilot Production and Development Status

Presenter(s): MINOT, Michael (Incom Inc.)
Session Classification: Photo Detectors and PID
First results of measurements of spectrum and angular distribution of transition radiation using a silicon pixel sensor on a TimePix3 chip

Monday, 28 May 2018 19:25 (15)

Presenter(s) : SCHIOPPA, Enrico Junior (CERN)
Session Classification : Photo Detectors and PID
Contribution ID: 21

Type: not specified

**Poster Review (Photodetector Technologies)**

*Monday, 28 May 2018 18:00 (20)*

**Presenter(s):** RETIERE, Fabrice (TRIUMF)

**Session Classification:** Photo Detectors and PID
The Phase-2 ATLAS ITk Pixel Upgrade

Tuesday, 29 May 2018 08:25 (15)

Presenter(s): MACCHIOLO, Anna (Max-Planck-Institut fuer Physik)
Session Classification: Solid State Detectors
The CMS Tracker Upgrade for the High Luminosity LHC

Tuesday, 29 May 2018 08:45 (15)

Presenter(s): DELCOURT, Martin (Université catholique de Louvain)

Session Classification: Solid State Detectors
The LHCb VELO Upgrade

Tuesday, 29 May 2018 09:05 (15)

Presenter(s) : FRANCO LIMA, Vinicius (University of Liverpool)

Session Classification : Solid State Detectors
The new Inner Tracking System for the ALICE upgrade at LHC

Tuesday, 29 May 2018 09:25 (15)

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

Session Classification : Solid State Detectors
The Belle II Vertex Detector Integration

Tuesday, 29 May 2018 09:45 (15)

Presenter(s) : KODYS, Peter (Charles University)
Session Classification : Solid State Detectors
Contribution ID : 27  

Type : not specified

**Poster Review (System Construction and Operation)**  
*Tuesday, 29 May 2018 10:05 (15)*

**Presenter(s)**: MERKEL, Petra (Fermilab)  
**Session Classification**: Solid State Detectors
Poster Review (Sensor Design and Technology)

Tuesday, 29 May 2018 10:25 (15)

Presenter(s): CASSE, Gianluigi (Fondazione Bruno Kessler)

Session Classification: Solid State Detectors
The Silicon Tracking System of the CBM experiment at FAIR

Tuesday, 29 May 2018 11:15 (15)

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

Session Classification : Solid State Detectors
Technologies for Future Vertex and Tracking Detectors at CLIC

Tuesday, 29 May 2018 11:35 (15)

Presenter(s) : SPANNAGEL, Simon (CERN)
Session Classification : Solid State Detectors
Development of Ultra Fast Silicon Detector for 4D tracking

Tuesday, 29 May 2018 11:55 (15)

Presenter(s): CARNESECCHI, Francesca (BO)
Session Classification: Solid State Detectors
Radiation-Hard CMOS Monolithic Pixel Sensor Development based on the Column-Drain Architecture for the ATLAS ITK Upgrade

Tuesday, 29 May 2018 12:15 (15)

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

Session Classification: Solid State Detectors
A gamma calorimeter for the monitoring of the ELI-NP beam

Tuesday, 29 May 2018 16:40 (15)

Presenter(s) : VELTRI, Michele (FI)
Session Classification : Calorimetry
ATLAS LAr Calorimeter Performance in LHC Run-2

Tuesday, 29 May 2018 16:00 (15)

Presenter(s): MORGENSTERN, Stefanie (CERN & TU Dresden)
Session Classification: Calorimetry
Design and test of the Mu2e undoped CsI + SiPM crystal calorimeter

Tuesday, 29 May 2018 16:20 (15)

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

Session Classification : Calorimetry
A gamma calorimeter for the monitoring of the ELI-NP beam

Presenter(s) : VELTRI, Michele (FI)
Session Classification : Calorimetry
Contribution ID: 39

**S4 - Poster Review**

*Tuesday, 29 May 2018 17:00 (25)*

**Presenter(s):** ALEKSA, Martin Aleksa (CERN)

**Session Classification:** Calorimetry
The calibration system for the g-2 calorimeters

Tuesday, 29 May 2018 17:50 (15)

Presenter(s) : DRIUTTI, Anna (Università di Udine)
Session Classification : Calorimetry
The CMS High Granularity Calorimeter for the High Luminosity LHC

Tuesday, 29 May 2018 18:10 (15)

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

Session Classification: Calorimetry
Design and performance studies of the calorimeter system for a FCC-hh experiment

Tuesday, 29 May 2018 18:30 (15)

Presenter(s) : HELSENS, Clement (CERN)

Session Classification : Calorimetry
DECAL: Digital Calorimetry using DMAPs sensors

Tuesday, 29 May 2018 18:50 (15)

Presenter(s): WORM, Steve (U Birmingham)

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

*Wednesday, 30 May 2018 08:30 (15)*

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

**Session Classification:**  Cryogenic / Supeconductive Devices
Searching for Low Mass Dark Matter with the SuperCDMS SNOLAB Detectors

Wednesday, 30 May 2018 08:50 (15)

Presenter(s): SERFASS, Bruno (UC Berkeley)
Session Classification: Cryogenic / Supeconductive Devices
CUORE: the first bolometric experiment at the ton scale for rare decay searches

Wednesday, 30 May 2018 09:10 (15)

Presenter(s): BRANCA, Antonio (PD)

Session Classification: Cryogenic / Supeconductive Devices
S5 - Poster Review

Wednesday, 30 May 2018 09:30 (25)

Presenter(s) : MONFARDINI, Alessandro (CNRS Grenoble)
Session Classification : Cryogenic / Superconductive Devices
Cryogenic light detectors for background suppression: the CALDER project.

Wednesday, 30 May 2018 10:00 (15)

Presenter(s): CASALI, Nicola (ROMA1)

Session Classification: Cryogenic / Supeconductive Devices
Josephson radiation sensors via temperature-to-phase conversion

Wednesday, 30 May 2018 10:20 (20)

Presenter(s) : PAOLUCCI, Federico (INFN Sezione di Pisa)

Session Classification : Cryogenic / Superconductive Devices
Contribution ID : 50  

Type : not specified

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

Wednesday, 30 May 2018 10:45 (15)

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

Session Classification : Cryogenic / Superconductive Devices
Einstein Telescope

Thursday, 31 May 2018 08:30 (25)

Presenter(s) : LOSURDO, Giovanni (PI)
Session Classification : Focus on
Contributor ID: 52

**INFN**

*Thursday, 31 May 2018 09:00 (10)*

**Presenter(s):** FERRONI, Fernando (ROMA1)

**Session Classification:** Round Table - Evolution of Research Infrastructures for Frontier Physics and the Need of Cutting-Edge Technologies
Presenter(s): ROSSI, Lucio (CERN - via video)

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

Thursday, 31 May 2018 09:30 (10)

Presenter(s): RETIERE, Fabrice (TRIUMF)

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

Thursday, 31 May 2018 09:45 (10)

Presenter(s): 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, 31 May 2018 10:00 (10)

Presenter(s) : BERTOLUCCI, Sergio (UNIBO/INFN)

Session Classification : Round Table - Evolution of Research Infrastructures for Frontier Physics and the Need of Cutting-Edge Technologies
Contributor ID: 57  
Type: not specified

FERMILAB

Thursday, 31 May 2018 10:15 (10)

**Presenter(s):** LOCKYER, Nigel

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

Thursday, 31 May 2018 10:30 (10)

Presenter(s): 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

**IBM**

*Thursday, 31 May 2018 10:45 (10)*

**Presenter(s):** 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
Question Time

Thursday, 31 May 2018 11:30 (30)

Presenter(s) : RETIERE, Fabrice (TRIUMF); RENZI, Fabrizio (Istituto Nazionale di Fisica Nucleare); FERRONI, 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
KALYPSO: linear array detector for high-repetition rate and real-time beam diagnostics

Thursday, 31 May 2018 16:00 (15)

Presenter(s): ROTA, Lorenzo (Karlsruhe Institute of Technology - KIT)
Session Classification: Application to Life Sciences and Other Challenges
Evaluation of a novel photon-counting CT system using 16-ch MPPC array for multicolor 3D imaging

Thursday, 31 May 2018 16:20 (13)

Presenter(s) : MARUHASHI, TAKUYA (waseda university)

Session Classification : Application to Life Sciences and Other Challenges
Calorimeter prototyping for the iMPACT project pCT scanner

Thursday, 31 May 2018 16:38 (15)

Presenter(s) : POZZOBON, Nicola (PD)
Session Classification : Application to Life Sciences and Other Challenges
Contribution ID : 64

Type : not specified

S6 - Poster Review

Thursday, 31 May 2018 16:58 (24)

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

**Session Classification** : Application to Life Sciences and Other Challenges
SiPM-based PET detector module for a 4π span scanner

Presenter(s): PEREZ-BENITO, David (Universidad Carlos III de Madrid)
Session Classification: Application to Life Sciences and Other Challenges
A new compact tracker for ultrafast secondary neutrons produced in light ions therapy

Presenter(s): GIOSCIO, Eliana (LNF)
Session Classification: Application to Life Sciences and Other Challenges
A novel neutron detector for 3-He replacement in environmental applications

Presenter(s): STEVANATO, Luca (PD)

Session Classification: Application to Life Sciences and Other Challenges
MUON TOMOGRAPHY USING MICROMEGAS DETECTORS: FROM ARCHEOLOGY TO NUCLEAR SAFETY APPLICATIONS

Thursday, 31 May 2018 18:55 (15)

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

Session Classification : Application to Life Sciences and Other Challenges
The upgrade of the ATLAS Muon System for High-Luminosity LHC

Friday, 1 June 2018 08:30 (15)

Presenter(s) : AMELUNG, Christoph (Brandeis University)

Session Classification : Gas Detectors
Upgrade plans and aging studies for the CMS muon system in preparation of HL-LHC

Friday, 1 June 2018 08:50 (15)

Presenter(s) :  WANG, Jian (University of Florida)

Session Classification :  Gas Detectors
MPGD-based photon detectors for the upgrade of COMPASS RICH-1 and beyond

Friday, 1 June 2018 09:10 (15)

Presenter(s): DALLA TORRE, Silvia (TS)
Session Classification: Gas Detectors
A Cylindrical GEM Inner Tracker for the BESIII experiment

Friday, 1 June 2018 09:30 (15)

Presenter(s): CIBINETTO, Gianluigi (FE)
Session Classification: Gas Detectors
Upgrade of the tracking system of the CMD-3 detector with micro-RWELL technology

Friday, 1 June 2018 09:50 (15)

Presenter(s): SHEKHTMAN, Lev (Budker INP)
Session Classification: Gas Detectors
Contribution ID: 74

Type: not specified

S7-Poster Review 25’

Friday, 1 June 2018 10:10 (25)

Presenter(s): HILDEBRANDT, Malte (Paul Scherrer Institut)

Session Classification: Gas Detectors
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, 1 June 2018 11:15 (15)

Presenter(s): BERNARD, Denis (LLR Ecole Polytechnique)
Session Classification: Gas Detectors
Dual-Stage Gas Proportional Scintillation Counter - New Developments

Friday, 1 June 2018 11:35 (15)

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

Session Classification : Gas Detectors
Spherical proportional counters: development, improvement and understanding

Friday, 1 June 2018 11:55 (15)

Presenter(s): BROSSARD, Alexis (Queen's University)
Session Classification: Gas Detectors
Small-pad Resistive Micromegas for high rate environment: Performance of different resistive protection concepts

Friday, 1 June 2018 12:15 (15)

Presenter(s): DELLA PIETRA, Massimo (NA)

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

Friday, 1 June 2018 16:00 (15)

Presenter(s): CRESCIOLI, Francesco (LPNHE)
Session Classification: Front, Trigger, DAQ and Data Management
Cold Electronics system for ProtoDUNE-SP LAr-TPC

Friday, 1 June 2018 16:20 (15)

Presenter(s): SPANU, Maura Ninuccia (Brookhaven National Laboratory)

Session Classification: Front, Trigger, DAQ and Data Management
Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC

Friday, 1 June 2018 16:40 (15)

Presenter(s):  CHRISTOPHER, Anelli (University of Victoria)
Session Classification:  Front, Trigger, DAQ and Data Management
Contribution ID: 82

Type: not specified

S8 - Poster Review 1

Friday, 1 June 2018 17:00 (15)

Presenter(s): RE, Valerio (PV)

Session Classification: Front, Trigger, DAQ and Data Management
Contribution ID : 83

Type : not specified

S8 - Poster Review 2

Friday, 1 June 2018 17:20 (15)

Presenter(s) : RADICIONI, Emilio (BA)

Session Classification : Front, Trigger, DAQ and Data Management
Recent developments in the CBC3, a CMS micro-strip readout ASIC for track-trigger modules at the HL-LHC

Friday, 1 June 2018 17:40 (15)

Presenter(s) : SARAH, Seif El Nasr-Storey (University of Bristol)
Session Classification : Front, Trigger, DAQ and Data Management
Test results and prospects for RD53A, a large scale 65 nm CMOS chip for pixel readout at the HL-LHC

Friday, 1 June 2018 18:00 (15)

Presenter(s): GAIONI, Luigi (PV)
Session Classification: Front, Trigger, DAQ and Data Management
Performance of CATIROC : ASIC for smart readout of large photomultiplier arrays

Friday, 1 June 2018 18:20 (15)

Presenter(s) : DE LA TAILLE, Christophe (OMEGA CNRS/IN2P3 Ecole Polytechnique)
Session Classification : Front, Trigger, DAQ and Data Management
Precision Clock Distribution for CMS at the HL-LHC

Friday, 1 June 2018 18:40 (15)

Presenter(s) : SAHIN, Mehmet Ozgur (CEA Irfu)
Session Classification : Front, Trigger, DAQ and Data Management
Acknoledgements

Friday, 1 June 2018 19:00 (5)

Presenter(s) : BATIGNANI, Giovanni (PI)
Session Classification : Front, Trigger, DAQ and Data Management
Space fluorescence detection of ultra-high energy cosmic rays based on CORSIKA simulation

Monday, 28 May 2018 10:44 (1)

Presenter(s): DJEMIL, Taoufik (Badji Mokhtar University)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
The development of the Icarus T600 laser diode calibration system

Monday, 28 May 2018 10:41 (1)

Presenter(s): BONESINI, Maurizio Giorgio (MIB)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Measurement of the zenith angle distribution of the cosmic muon flux in Abu Dhabi at sea level

*Monday, 28 May 2018 10:38 (1)*

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

**Session Classification:** Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Probing the absolute neutrino mass scale with $^{163}$Ho: the HOLMES project

*Monday, 28 May 2018 10:35 (1)*

**Presenter(s):** DE GERONE, Matteo (GE)

**Session Classification:** Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
163Ho distillation and implantation for HOLMES experiment

Monday, 28 May 2018 10:32 (1)

Presenter(s): DE GERONE, Matteo (GE)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
CHEC - a Compact High-Energy Camera for the Cherenkov Telescope Array

*Monday, 28 May 2018 10:29 (1)*

**Presenter(s):** ZORN, Justus (Max-Planck-Institue for Nuclear Physics (MPIK) Heidelberg)

**Session Classification:** Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Scintillation detectors for TAIGA experiment

Monday, 28 May 2018 10:26 (1)

Presenter(s): KIRILENKO, Pavel (Novosibirsk State University)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Novel approaches in low energy threshold detectors for Dark Matter searches

Monday, 28 May 2018 10:23 (1)

Presenter(s): GUARISE, Marco (University of Ferrara)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Characterization of a prototype silicon drift detector system for the TRISTAN project

Monday, 28 May 2018 10:20 (1)

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

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
The downstream Muon detector of the SHiP experiment

Monday, 28 May 2018 10:17 (1)

Presenter(s): TOSI, Nicolò (BO)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
A compact Time-Of-Flight detector for radiation measurements in a space habitat: the LIDAL detector

Monday, 28 May 2018 10:14 (1)

Presenter(s): MORONE, Maria Cristina (ROMA2)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Performance of custom designed inverted coaxial HPGe detectors for GERDA and LEGEND

Monday, 28 May 2018 10:11 (1)

Presenter(s): COMELLATO, Tommaso (Technical University Munich)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Performance of the 3x1x1 m3 Dual Phase Liquid argon TPC

Monday, 28 May 2018 10:08 (1)

Presenter(s) : SCHLOESSER, Caspar (ETH Zurich)

Session Classification : Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
The investigation on the dark sector at the PADME experiment

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
The charged particle veto system of the PADME experiment

Presenter(s): OLIVA, Federica (LE)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Deep learning to study the noise in gravitational wave interferometers

Monday, 28 May 2018 09:59 (1)

Presenter(s) : RAZZANO, Massimiliano (PI)

Session Classification : Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
EUSO-SPB1: in-flight performance

Monday, 28 May 2018 09:56 (1)

Presenter(s): OSTERIA, Giuseppe (NA)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Design of a SiPM-based cluster for the Large Size Telescope camera of CTA

*Monday, 28 May 2018 09:53 (1)*

**Presenter(s):** MALLAMACI, Manuela (PD)

**Session Classification:** Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
The double turn method based on mono-chromatic positrons for the measurement of the MEGII spectrometer resolutions

Monday, 28 May 2018 09:50 (1)

Presenter(s): SCHWENDIMANN, Patrick (PSI)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
ProtoDUNE: prototyping the ultimate medium high energy range (MeV - GeV) neutrino detector

Presenter(s): ACCIARRI, Roberto (FNAL)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
An observation-simulation and analysis framework for the Imaging X-ray Polarimetry Explorer (IXPE)

Monday, 28 May 2018 09:44 (1)

Presenter(s): PESCE-ROLLINS, Melissa (PI)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
High precision mapping of single-pixel Silicon Drift Detector for application in astrophysics and advanced light source

Monday, 28 May 2018 09:41 (1)

Presenter(s) : CIRRINCIONE, Daniela (TS)

Session Classification : Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Detector setup of the VIP2 Underground Experiment at LNGS

Monday, 28 May 2018 09:38 (1)

Presenter(s): MARTON, Johann (Stefan Meyer Institute)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Plastic scintillator detector array for detection of cosmic ray air shower

Monday, 28 May 2018 09:35 (1)

Presenter(s): BISWAS, Saikat (Bose Institute)

Session Classification: Detector Techniques for Cosmology, Astroparticle and Fundamental Physics - Poster Session
Another step in photodetection innovation: the 1-inch VSiPMT prototype

Presenter(s): BARBATO, Felicia Carla Tiziana (NA)
Session Classification: Photo Detectors and PID - Poster Session
Measurement of the Response of Silicon Photomultipliers from Single Photon Detection to Saturation

Monday, 28 May 2018 16:21 (1)

Presenter(s) : WEITZEL, Quirin (Mainz University, PRISMA Detector Lab)
Session Classification : Photo Detectors and PID - Poster Session
The upgraded beam monitor system for the FAMU experiment at RIKEN-RAL

Monday, 28 May 2018 16:20 (1)

Presenter(s) : BONESINI, Maurizio Giorgio (MIB)

Session Classification : Photo Detectors and PID - Poster Session
Radiation Damage Effect on Time Resolution of 6 Series-connected SiPMs for MEG II Positron Timing Counter

Monday, 28 May 2018 16:19 (1)

Presenter(s) : USAMI, Masashi (The University of Tokyo)

Session Classification : Photo Detectors and PID - Poster Session
The TORCH PMT, a close packing, long life MCP-PMT for Cherenkov applications with a novel high granularity multi-anode

Presenter(s) : MILNES, James (Photek Ltd)
Session Classification : Photo Detectors and PID - Poster Session
Characterization of FBK NUV-HD SiPMs for the pSCT camera proposed for the CTA experiment

Monday, 28 May 2018 16:17 (1)

Presenter(s): LOPORCHIO, Serena (BA)

Session Classification: Photo Detectors and PID - Poster Session
Real-Time Measurement System with Automatic 
Gain Detection and Autocalibration for Silicon 
Photomultipliers

Presenter(s): DOROSZ, Piotr (AGH University of Science & Technology)
Session Classification: Photo Detectors and PID - Poster Session
Optimal Design of Plastic Scintillator Counter with Multiple SiPM Readouts for Best Time Resolution

Presenter(s): ONDA, Rina (the University of Tokyo)

Session Classification: Photo Detectors and PID - Poster Session
Optimized MPGD-based photon detectors for high momentum particle identification at the Electron-Ion Collider.

Monday, 28 May 2018 16:14 (1)

Presenter(s) : AGARWALA, Jinky (TS)
Session Classification : Photo Detectors and PID - Poster Session
Upgrade of the Time-of-Flight system of the CMD-3 detector

Monday, 28 May 2018 16:13 (1)

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

Session Classification : Photo Detectors and PID - Poster Session
6 Linearity and Saturation Properties of Hamamatsu R5912-MOD Photomultiplier Tube for the ICARUS T600 light detection system

Presenter(s): SPANU, Maura Ninuccia (Brookhaven National Laboratory)
Detection of Vacuum Ultra-Violet light by means of SiPMs with and without a wave-length shifter coating for High Energy Physics experiments

Monday, 28 May 2018 16:12 (1)

Presenter(s): ROSSELLA, Massimo (PV)
Session Classification: Photo Detectors and PID - Poster Session
First Experience with the Belle II Aerogel RICH Detector

Monday, 28 May 2018 16:11 (1)

Presenter(s): MRVAR, Manca (Jozef Stefan Institute, Ljubljana)
Session Classification: Photo Detectors and PID - Poster Session
TORCH: a large area time-of-flight detector for particle identification

Monday, 28 May 2018 16:10 (1)

Presenter(s): NEVILLE, harnew (University of Oxford)

Session Classification: Photo Detectors and PID - Poster Session
Analysis of the Performance of Photon Detection Methods Using Silicon Photomultiplier in the Application with High Throughput Requirements

Monday, 28 May 2018 16:09 (1)

Presenter(s) : BASZCZYK, Mateusz (AGH University of Science and Technology)
Session Classification : Photo Detectors and PID - Poster Session
A low energy x-ray Compton polarimeter prototype

Presenter(s) : SPILLMANN, Uwe (GSI)
Session Classification : Photo Detectors and PID - Poster Session
Use of silicon photonics wavelength multiplexing techniques for fast parallel readout in high energy physics

Monday, 28 May 2018 16:07 (1)

Presenter(s): DE MATTEIS, Fabio (ROMA2)
Session Classification: Photo Detectors and PID - Poster Session
Operational Evaluation of Silicon Photomultiplier Based Prototype Detector Modules Installed in the MAGIC Telescopes

Monday, 28 May 2018 16:06 (1)

Presenter(s): HAHN, Alexander (Max Planck Institute for Physics)
Session Classification: Photo Detectors and PID - Poster Session
The Barrel DIRC detector of PANDA

Presenter(s): SCHWARZ, Carsten (GSI Helmholtzzentrum fuer Schwerionenforschung)

Session Classification: Photo Detectors and PID - Poster Session
Performance of X-rays crystal detectors with SiPM array readout exposed to the RIKEN RAL low energy muon beam

Monday, 28 May 2018 16:04 (1)

Presenter(s) : MENEGOLLI, Alessandro (PV)
Session Classification : Photo Detectors and PID - Poster Session
The PANDA barrel-TOF detector at FAIR

Monday, 28 May 2018 16:03 (1)

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

**Session Classification**: Photo Detectors and PID - Poster Session
Evaluation of a hybrid pixel detector prototype for time resolved experiments at the ODE beamline of the SOLEIL Synchrotron

Monday, 28 May 2018 16:02 (1)

Presenter(s) : BACHILLER-PEREA, Diana (SOLEIL Synchrotron)

Session Classification : Photo Detectors and PID - Poster Session
The Endcap Disc DIRC detector of PANDA

Monday, 28 May 2018 16:01 (1)

Presenter(s) : FOEHL, Klaus (Giessen university)
Session Classification : Photo Detectors and PID - Poster Session
Characterization of VUV-sensitive SiPMs for nEXO

Monday, 28 May 2018 16:00 (1)

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

Session Classification : Photo Detectors and PID - Poster Session
Application of Silicon Photomultiplier Model to the Design of Front-End Electronics

Monday, 28 May 2018 16:37 (1)

Presenter(s): 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, 28 May 2018 16:36 (1)

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

Session Classification: Photo Detectors and PID - Poster Session
New Ultra-High cell-Density Silicon Photomultipliers with improved performance

**Presenter(s):** PATERNOSTER, Giovanni (Fondazione Bruno Kessler)

**Session Classification:** Photo Detectors and PID - Poster Session
Design of the microchannel plate photomultiplier tube for applications in strong magnetic fields

Monday, 28 May 2018 16:34 (1)

Presenter(s): 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
A novel bowl-shape microchannel plate with high electron collection efficiency and good time resolution

Monday, 28 May 2018 16:33 (1)

Presenter(s): 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
The ‘Gen-II’ LAPPD™: Large-Area Ceramic-Body Planar MCP-based Photo-Detectors: Large-Area Ceramic-Body Planar MCP-based Photo-Detectors

Presenter(s) : ELAGIN, Andrey (University of Chicago)
Session Classification : Photo Detectors and PID - Poster Session
Fast Neutron detectors with silicon photomultiplier readouts

Session Classification: Photo Detectors and PID - Poster Session
MCP-PMT production for Belle II TOP detector and further R&D

Monday, 28 May 2018 16:30 (1)

Presenter(s): INAMI, Kenji (Nagoya university)
Session Classification: Photo Detectors and PID - Poster Session
Spatial time resolution of MCP–PMTs as a time reference with sub-4 picoseconds precision

Monday, 28 May 2018 16:29 (1)

Presenter(s) : SOHL, Lukas (CEA)

Session Classification : Photo Detectors and PID - Poster Session
Modelling of picosecond timing signals from fast vacuum photodiodes

Monday, 28 May 2018 16:28 (1)

Presenter(s): LAPINGTON, Jon (University of Leicester)
Session Classification: Photo Detectors and PID - Poster Session
Monte Carlo Modelling of Optical Crosstalk in Silicon Photomultipliers

*Monday, 28 May 2018 16:27 (1)*

**Presenter(s):** WILLIAMS, JAMIE (University of Leicester)

**Session Classification:** Photo Detectors and PID - Poster Session
A SiPM based cryogenic Photo Detector Module for dark matter searches OK

Presenter(s): MANDARANO, Andrea (GSGC)
Session Classification: Photo Detectors and PID - Poster Session
PID techniques and performance at LHCb in Run 2

Monday, 28 May 2018 16:25 (1)

Presenter(s): HUSHCHYN, Mikhail (Yandex School of Data Analysis (YSDA))
Session Classification: Photo Detectors and PID - Poster Session
A large silicon photomultiplier for the readout of barium fluoride scintillation light

Monday, 28 May 2018 16:24 (1)

Presenter(s): HITLIN, David (Caltech)
Session Classification: Photo Detectors and PID - Poster Session
Neutrino-Antineutrino Identification in a Liquid Scintillator Detector: towards a novel decay-at-rest-based neutrino CPV framework

Monday, 28 May 2018 16:23

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

Session Classification: Photo Detectors and PID - Poster Session
Advancements and plans for LHC upgrade detector thermal management with CO2 evaporative cooling

Tuesday, 29 May 2018 10:40 (1)

Presenter(s): TROPEA, Paola (CERN)

Session Classification: Solid State Detectors - Poster Session
ATLAS "Baby-DEMO"

Tuesday, 29 May 2018 10:37 (1)

Presenter(s): ZWALINSKI, Lukasz (CERN)

Session Classification: Solid State Detectors - Poster Session
Advanced Through Silicon Vias for Hybrid Pixel Detector Modules

Tuesday, 29 May 2018 10:34 (1)

Presenter(s) : HUEGGING, Fabian (University of Bonn)

Session Classification : Solid State Detectors - Poster Session
Silicon Photomultiplier Detector with Multipurpose In-Pixel Electronics in Standard CMOS Technology

Tuesday, 29 May 2018 10:31 (1)

Presenter(s) : BLANCO, Roberto (KIT IPE)

Session Classification : Solid State Detectors - Poster Session
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, 29 May 2018 10:28 (1)

Presenter(s) : LI, Zheng (BNL)
Session Classification : Solid State Detectors - Poster Session
Development of the radiation hard high-speed monolithic “MALTA” CMOS sensor for the ATLAS ITK outer pixel layer

Tuesday, 29 May 2018 10:25 (1)

Presenter(s) : PERNEGGER, Heinz (CERN Physics Department)
Session Classification : Solid State Detectors - Poster Session
New results on the FBK-INFN-LPNHE thin n-on-p pixel detectors for the upgrade of the ATLAS Inner Tracker

Tuesday, 29 May 2018 10:22 (1)

Presenter(s): CALDERINI, Giovanni (PI)
Session Classification: Solid State Detectors - Poster Session
Characterisation of the radiation hardness of HV-CMOS sensors using the Transient Current Technique

Tuesday, 29 May 2018 10:19 (1)

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

Session Classification: Solid State Detectors - Poster Session
Low Gain Avalanche Diodes for Precision Timing in the CMS Endcap

Tuesday, 29 May 2018 10:16 (1)

Presenter(s) : COSTA, Marco (TO)
Session Classification : Solid State Detectors - Poster Session
Precision Timing Capabilities of Silicon Pad Sensors in the CMS HGCAL

Tuesday, 29 May 2018 10:13 (1)

Presenter(s):  PITTERS, Florian (CERN)

Session Classification:  Solid State Detectors - Poster Session
Operational Experience and Performance with the ATLAS Pixel detector at the Large Hadron Collider

Tuesday, 29 May 2018 10:10 (1)

Presenter(s): GRUMMER, Aidan (ATLAS Collaboration)

Session Classification: Solid State Detectors - Poster Session
Modeling Radiation Damage to Pixel Sensors in the ATLAS Detector

Tuesday, 29 May 2018 10:07 (1)

Presenter(s) : ROSSINI, Lorenzo (MI)

Session Classification : Solid State Detectors - Poster Session
Event Upsets in the ATLAS IBL Frontend ASICs

Tuesday, 29 May 2018 10:04 (1)

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

Session Classification : Solid State Detectors - Poster Session
The XAFS Fluorescence Detector System based on 64 Silicon Drift Detectors for the SESAME Synchrotron Light Source.

Tuesday, 29 May 2018 10:01 (1)

Presenter(s): RACHEVSKI, Alexandre (TS)
Session Classification: Solid State Detectors - Poster Session
Characterization of a depleted monolithic pixel sensors in 150 nm CMOS technology for the ATLAS Inner Tracker upgrade

Tuesday, 29 May 2018 09:58 (1)

Presenter(s): IGUAZ GUTIERREZ, Francisco Jose (IRFU/CEA-Saclay)
Session Classification: Solid State Detectors - Poster Session
Advances on TCAD numerical modeling of radiation damage effects in silicon detectors for HL-LHC operations

Tuesday, 29 May 2018 09:55 (1)

Presenter(s) : PASSERI, Daniele (University and INFN Perugia)
Session Classification : Solid State Detectors - Poster Session
Performance and Operation of the CMS Phase 1 Pixel Detector

Tuesday, 29 May 2018 09:52 (1)

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

Session Classification: Solid State Detectors - Poster Session
ATLAS ITk Strip Detector for High-Luminosity LHC

Tuesday, 29 May 2018 09:49 (1)

Presenter(s) : ROSSI, Edoardo (DESY)
Session Classification : Solid State Detectors - Poster Session
Characterization Results of HVCMOS Sensors for Mu3e and ATLAS

Tuesday, 29 May 2018 09:46 (1)

Presenter(s) : EHRLER, Felix (KIT)
Session Classification : Solid State Detectors - Poster Session
MuPix8 – Large Area Monolithic HVCMOS Pixel Detector for the Mu3e Experiment

Tuesday, 29 May 2018 09:43 (1)

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

Session Classification: Solid State Detectors - Poster Session
Monolithic Sensors in LFoundry Technology: Concepts and Measurements

Tuesday, 29 May 2018 09:40 (1)

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

Session Classification: Solid State Detectors - Poster Session
Radiation hardness investigation of thin and low resistivity bulk silicon detectors

Tuesday, 29 May 2018 09:37 (1)

Presenter(s): JAIN, Geetika (Delhi University)

Session Classification: Solid State Detectors - Poster Session
Development of an automated and programmable characterization system for silicon multi-strip sensors

Tuesday, 29 May 2018 09:34

Presenter(s): JAIN, Geetika (Delhi University)

Session Classification: Solid State Detectors - Poster Session
Combined TCAD and Geant4 simulations of diamond detectors for timing applications

Tuesday, 29 May 2018 09:31 (1)

Presenter(s): PASSERI, Daniele (University and INFN Perugia)
Session Classification: Solid State Detectors - Poster Session
Low temperature characteristics of SIPMs after very high radiation for the SLHC CMS phase II upgrade

Tuesday, 29 May 2018 09:28 (1)

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

Session Classification: Solid State Detectors - Poster Session
The new Fast Beam Condition Monitor using diamond and silicon sensors for luminosity measurement at CMS

Tuesday, 29 May 2018 09:25 (1)

Presenter(s) : GUTHOFF, Moritz (DESY)
Session Classification : Solid State Detectors - Poster Session
A feasibility test run for the MUonE project

Tuesday, 29 May 2018 09:22 (1)

Presenter(s): BALLERINI, Giovanni (MIB)
Session Classification: Solid State Detectors - Poster Session
Development of Graphene-Based Ionizing Radiation Sensors

Tuesday, 29 May 2018 09:19 (1)

Presenter(s): SCHERZINGER, Julius Peter (PI)
Session Classification: Solid State Detectors - Poster Session
Development of the proton beam monitor based on the thin diamond crystal for the COMET Experiment

Tuesday, 29 May 2018 09:16 (1)

Presenter(s): FUJII, YUKI (KEK)

Session Classification: Solid State Detectors - Poster Session
Overview of the CMS beam loss monitoring system (BCML) and the performance the system in 2017

Tuesday, 29 May 2018 09:13 (1)

Presenter(s) : OKHOTNIKOV, Vitalii (Tomsk Polytechnic University)

Session Classification : Solid State Detectors - Poster Session
Searching for a dark photon with PADME at LNF:
status of the active diamond target

*Tuesday, 29 May 2018 09:10 (1)*

**Presenter(s):** OLIVA, Federica (LE)

**Session Classification:** Solid State Detectors - Poster Session
Development and commissioning of the 30 ps time resolution MEGII Pixelated Time detector

Tuesday, 29 May 2018 09:07 (1)

Presenter(s) : CATTANEO, Paolo Walter (PV)

Session Classification : Solid State Detectors - Poster Session
Radiation tolerance characterization of geiger–mode CMOS avalanche diodes for the design of a dual-layer particle detector

Tuesday, 29 May 2018 09:04 (1)

Presenter(s) : MUSACCI, Marco (PV)
Session Classification : Solid State Detectors - Poster Session
Status of the vertex detector program of the CBM experiment at FAIR

Tuesday, 29 May 2018 09:01 (1)

Presenter(s) : KLAUS, Philipp (Goethe University Frankfurt)

Session Classification : Solid State Detectors - Poster Session
DEPFET pixel detector in the Belle II experiment

Tuesday, 29 May 2018 08:58 (1)

Presenter(s) : WESSEL, Christian (University of Bonn)
Session Classification : Solid State Detectors - Poster Session
A fast and quasi-non invasive muon beam monitoring detector working at the highest beam intensity in the world

Tuesday, 29 May 2018 08:55 (1)

Presenter(s) : HILDEBRANDT, Malte (Paul Scherrer Institut)
Session Classification : Solid State Detectors - Poster Session
First experience with the Belle II radiation monitoring system based on s-CVD diamonds

Tuesday, 29 May 2018 08:52 (1)

Presenter(s) : VITALE, Lorenzo (TS)

Session Classification : Solid State Detectors - Poster Session
Modelization of 3D-silicon Pixels for timing applications

Tuesday, 29 May 2018 08:49 (1)

Presenter(s): LOI, Angelo (CA)
Session Classification: Solid State Detectors - Poster Session
The Gigatracker detector of the NA62 experiment at CERN SPS

Tuesday, 29 May 2018 08:46 (1)

Presenter(s) : FEDERICI, Luca (CERN)

Session Classification : Solid State Detectors - Poster Session
Progress Towards the Development of Cooling Demonstrator of the CBM Silicon Tracking System

Tuesday, 29 May 2018 08:43 (1)

Presenter(s) : AGARWAL, Aditi (Indian Institute of Astrophysics, Bangalore, India)
Session Classification : Solid State Detectors - Poster Session
Advanced optical quality assurance of the silicon microstrip sensors of the CBM STS detector

Tuesday, 29 May 2018 08:40 (1)

Presenter(s): LAVRIK, Evgeny (University of Tübingen)

Session Classification: Solid State Detectors - Poster Session
Charge sharing of single photons in finely segmented pixel detectors

Tuesday, 29 May 2018 08:37 (1)

Presenter(s) : MONZANI, Simone (MI)

Session Classification : Solid State Detectors - Poster Session
Radiation Damage of LHCb’s Silicon Detector Systems

Tuesday, 29 May 2018 08:34 (1)

Presenter(s): ABELLAN, Carlos (Zurich University)
Session Classification: Solid State Detectors - Poster Session
R&D on CO2 cooling using a silicon Microchannel substrate for the LHCb VELO

Tuesday, 29 May 2018 08:25 (1)

Presenter(s): FRANCO LIMA, Vinicius (University of Liverpool)

Session Classification: Solid State Detectors - Poster Session
Technology Experience in the Construction of Silicon Trackers Detectors for Space Experiments

Tuesday, 29 May 2018 08:31 (1)

Presenter(s): MOVILEANU, Maria (PG)

Session Classification: Solid State Detectors - Poster Session
The Belle II Silicon Vertex Detector

Tuesday, 29 May 2018 08:28 (1)

Presenter(s) : THALMEIER, Richard (HEPHY Vienna)

Session Classification : Solid State Detectors - Poster Session
The LUCID-2 detector

Tuesday, 29 May 2018 16:24 (1)

Presenter(s) : SBARRA, Carla (BO)
Session Classification : Calorimetry - Poster Session
Predicting hadron-specific damage from fast hadrons in crystals for calorimetry

Tuesday, 29 May 2018 16:23 (1)

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

Session Classification : Calorimetry - Poster Session
Test results of 3D fine-grained scintillator detector prototype for a T2K ND280 neutrino active target

Presenter(s): MINEEV, Oleg (INR RAS)
Session Classification: Calorimetry - Poster Session
Robustness studies of the Photomultipliers reading out TileCal, the central hadron calorimeter of the ATLAS experiment

Tuesday, 29 May 2018 16:21 (1)

Presenter(s): DI GREGORIO, Giulia (PI)

Session Classification: Calorimetry - Poster Session
ATLAS Tile Calorimeter Upgrades for HL-LHC

Tuesday, 29 May 2018 16:20 (1)

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

Session Classification: Calorimetry - Poster Session
ATLAS TileCal LVPS Upgrade Hardware and Testing

Tuesday, 29 May 2018 16:19 (1)

Presenter(s) : HIBBARD, Michael (University of Texas Arlington)
Session Classification : Calorimetry - Poster Session
Beam Tests on the ATLAS Tile Calorimeter Demonstrator Module

Tuesday, 29 May 2018 16:18 (1)

Presenter(s): VALDES SANTURIO, Eduardo (Stockholm University)
Session Classification: Calorimetry - Poster Session
Calibration of the calorimeter signal waveform in the SND detector

Tuesday, 29 May 2018 16:17 (1)

Presenter(s) : SURIN, Ilya (Budker Institute of Nuclear Physics)
Session Classification : Calorimetry - Poster Session
For the contribution ID 206:

**Title:** Forward hadron calorimeter at MPD/NICA

**Date:** Tuesday, 29 May 2018 16:16 (1)

**Presenter(s):** TIMOSHENKO, Anastasia (Olegovna)

**Session Classification:** Calorimetry - Poster Session

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A Compton Spectrometer to monitor the ELI-NP beam energy

Tuesday, 29 May 2018 16:15 (1)

Presenter(s): BORGERESI, Rita (FI)
Session Classification: Calorimetry - Poster Session
Performance of shashlyk calorimeter read out by SiPMs with high pixel density

Tuesday, 29 May 2018 16:14 (1)

Presenter(s) : CHIRIKOV-ZORIN, Igor (JINR)

Session Classification : Calorimetry - Poster Session
The Projectile Spectator Detector for measurement of geometry of heavy ion collisions at the CBM experiment at FAIR

Tuesday, 29 May 2018 16:13 (1)

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

Session Classification : Calorimetry - Poster Session
The upgrade of the CMS PbWO_4 crystal electromagnetic calorimeter for the HL-LHC and prospects for precision timing resolution

Presenter(s): GHILLARDI, Giorgio (TO)
Session Classification: Calorimetry - Poster Session
Performance of the CMS electromagnetic calorimeter in the LHC Run II

Tuesday, 29 May 2018 16:11 (1)

Presenter(s): BARTOSIK, Nazar (TO)
Session Classification: Calorimetry - Poster Session
CMS ECAL Calibration & Alignment

Tuesday, 29 May 2018 16:10 (1)

Presenter(s) : WAMORKAR, Tanvi (Northeastern University)
Session Classification : Calorimetry - Poster Session
Compact Calorimeters with Oriented Crystals

Tuesday, 29 May 2018 16:09 (1)

Presenter(s): BANDIERA, LAURA (FE)
Session Classification: Calorimetry - Poster Session
Shashlik calorimeters for the ENUBET tagged neutrino beam

Tuesday, 29 May 2018 16:08 (1)

Presenter(s): PARI, Michelangelo (PD)
Session Classification: Calorimetry - Poster Session
Test beam results of a Silicon-PhotoMultiplier based Dual-Readout Calorimeter module

Tuesday, 29 May 2018 16:07 (1)

Presenter(s): ANTONELLO, Massimiliano (MI)
Session Classification: Calorimetry - Poster Session
The calorimeters of the PADME experiment

Tuesday, 29 May 2018 16:06 (1)

Presenter(s) : Dr GIANOTTI, Paola (LNF)
Session Classification : Calorimetry - Poster Session
The first large calorimeter based on Lanthanum Bromide coupled to Silicon Photomultipliers: Status and Predictions

Tuesday, 29 May 2018 16:05

Presenter(s): SCHWENDIMANN, Patrick (PSI)

Session Classification: Calorimetry - Poster Session
Detector performance studies for the CMS High Granularity Calorimeter

Tuesday, 29 May 2018 16:04 (1)

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

Session Classification : Calorimetry - Poster Session
JUNO Stero-Calorimetry System JUNO

Presenter(s): GRASSI, Marco (APC - IN2P3 - CNRS)
Session Classification: Calorimetry - Poster Session
CALPRO, an unconventional calorimetry approach

Tuesday, 29 May 2018 16:02 (1)

Presenter(s) : IACOVACCI, Michele (NA)

Session Classification : Calorimetry - Poster Session
Identification of Double-Beta Decay Events in a Liquid Scintillator Detector

Tuesday, 29 May 2018 16:01 (1)

Presenter(s) : ELAGIN, Andrey (University of Chicago)
Session Classification : Calorimetry - Poster Session
The Mu2e calorimeter: QA of production crystals and SiPMs and results from Module-0 test beam

Tuesday, 29 May 2018 16:00 (1)

Presenter(s): DI FALCO, Stefano (PI)
Session Classification: Calorimetry - Poster Session
Cryogenic electronics for photosensors operating in Liquid Xenon

Wednesday, 30 May 2018 08:44 (1)

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

Session Classification : Cryogenic / Superconductive Devices - Poster Session
Cryogenic Light Detectors for Rare Event Searches

Wednesday, 30 May 2018 08:43 (1)

Presenter(s) : MONDRAGON, Elizabeth (Technical University of Munich)
Session Classification : Cryogenic / Supeconductive Devices - Poster Session
A frequency domain multiplexing system to readout the TES bolometers on the LSPE/SWIPE experiment

Wednesday, 30 May 2018 08:42 (1)

Presenter(s) : VACCARO, Davide (SI)

Session Classification : Cryogenic / Supeconductive Devices - Poster Session
Optical Properties of TetraPhenylButadiene as wavelength shifter for the detection of VUV scintillation light from liquefied noble gases

Wednesday, 30 May 2018 08:41 (1)

Presenter(s): ROSSELLA, Massimo (PV)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session
Study on breakdown voltage, quenching resistance and gain from room temperature down to 50 K

Wednesday, 30 May 2018 08:40 (1)

Presenter(s): MENEGOLLI, Alessandro (PV)
Session Classification: Cryogenic / Supeconductive Devices - Poster Session
Characterization of SiPM arrays with common bias and common readout for applications in liquid argon

Wednesday, 30 May 2018 08:39 (1)

Presenter(s): BABICZ, Marta (CERN/INP Cracow)

Session Classification: Cryogenic / Superconductive Devices - Poster Session
Thermal kinetic inductance detectors for soft X-ray spectroscopy

Wednesday, 30 May 2018 08:38 (1)

Presenter(s): FAVERZANI, Marco (MIB)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session
Commissioning of a Si(Li) Compton polarimeter

Wednesday, 30 May 2018 08:37 (1)

Presenter(s): VOCKERT, Marco (Friedrich Schiller University Jena, Institute of Optics and Quantummechanics)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session
Precise measurement of 3D-position of SiPMs in the liquid xenon gamma-ray detector for the MEG II experiment

Wednesday, 30 May 2018 08:36 (1)

Presenter(s) : KOBAYASHI, Satoru (The University of Tokyo)

Session Classification : Cryogenic / Supeconductive Devices - Poster Session
The ICARUS T600 detector overhaul at CERN

Wednesday, 30 May 2018 08:35 (1)

Presenter(s) : ZANI, Andrea (CERN)
Session Classification : Cryogenic / Supeconductive Devices - Poster Session
Experimental study of the propagation of scintillation light in liquid argon

Presenter(s): BORDONI, Stefania (CERN)

Session Classification: Cryogenic / Superconductive Devices - Poster Session
maXs: Micro-calorimeter Arrays for High Resolution X-Ray Spectroscopy in Atomic Physics

Wednesday, 30 May 2018 08:33 (1)

Presenter(s): SPILLMANN, Uwe (GSI)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session
OSQAR chameleon afterglow search experiment

Wednesday, 30 May 2018 08:32 (1)

Presenter(s): SULC, Miroslav (Technical University of Liberec)
Session Classification: Cryogenic / Superconductive Devices - Poster Session
High energy resolution thermal microcalorimeters for the HOLMES experiment

Wednesday, 30 May 2018 08:31 (1)

Presenter(s): FAVERZANI, Marco (MIB)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session
New developments in Silicon Photomultipliers for Cryogenic Applications

Wednesday, 30 May 2018 08:30 (1)

Presenter(s): PATERNOSTER, Giovanni (Fondazione Bruno Kessler)

Session Classification: Cryogenic / Supeconductive Devices - Poster Session
MWPC-based Muographic Observation System for remote monitoring of active volcanoes

Thursday, 31 May 2018 16:04 (1)

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

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
Development of high-resolution Compton camera for prompt gamma-ray imaging during proton therapy

Thursday, 31 May 2018 16:03 (1)

Presenter(s) : MOCHIZUKI, Saku (Waseda University)

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
Development of new compact neutron camera for safe proton therapy

Thursday, 31 May 2018 16:02 (1)

Presenter(s) : TAGAWA, Leo (Waseda Univ.)

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
Intense thermal neutron fields based on a medical Linac - The e_LIBANS project

Thursday, 31 May 2018 16:01 (1)

Presenter(s): COSTA, Marco (TO)
Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Cadmium Manganese Telluride versus Cadmium Zinc Telluride for X-ray detectors

Thursday, 31 May 2018 16:00 (1)

Presenter(s): RUZIN, Arie (Tel Aviv University)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Evaluation of LFS continuous scintillation crystals for PET 1

Thursday, 31 May 2018 16:06 (1)

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

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
Real-time wireless personal dosimeter for Interventional Radiology Procedures.

Thursday, 31 May 2018 16:05 (1)

Presenter(s) : SERVOLI, Leonello (PG)

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
Development of innovative PET module with Depth of Interaction and Timing capabilities

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

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
MACACO II: second prototype of a Compton telescope

Thursday, 31 May 2018 16:08 (1)

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

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

Presenter(s): GIOSCIO, Eliana (LNF)
Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Evaluation of double-sided silicon microstrip sensors as tracker components for FOOT experiment

Thursday, 31 May 2018 16:10 (1)

Presenter(s): SILVESTRE, Gianluigi (PG)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Test beam facilities at BINP

Thursday, 31 May 2018 16:11 (1)

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

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
METU Defocusing Beamline Project for the First SEE Tests in Turkey and the Test Results from the METU-DBL Preliminary Setup

Presenter(s) : NIGDELOGLU, Selen (Middle East Technical University)

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
RADIATION AND THERMAL STRESS TESTS ON DIAMOND DETECTORS FOR THE RADIAL NEUTRON CAMERA OF ITER

Thursday, 31 May 2018 16:13 (1)

Presenter(s) : POMPILI, Fulvio (ENEA)

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
Evaluation of a ZnS:6LiF based scintillation neutron detector at high counting rates

Thursday, 31 May 2018 16:14 (1)

Presenter(s): HILDEBRANDT, Malte (Paul Scherrer Institut)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Development of an ultra thin monitor for charged particle beams

Thursday, 31 May 2018 16:15 (1)

Presenter(s) : BOYER, Bruno (Laboratoire Leprince-Ringuet)

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
SENSE - Ultimate Low Light-Level Sensor Development

Thursday, 31 May 2018 16:16 (1)

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

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
The ΔE-TOF detector of the FOOT experiment: experimental tests and Monte Carlo simulations

Thursday, 31 May 2018 16:17 (1)

Presenter(s): CIARROCCHI, Esther (PI)
Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Low statistics activity reconstruction methods with the DoPET system

Thursday, 31 May 2018 16:18 (1)

Presenter(s): ROSSO, Valeria (PI)
Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Gamma beam collimation system and profile imager for ELI-NP

Thursday, 31 May 2018 16:19 (1)

Presenter(s): CARDARELLI, Paolo (FE)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Recent achievements in Life Sciences of the TwinMicsoft spectromicroscopy beamline at Elettra

Thursday, 31 May 2018 16:20 (1)

Presenter(s) : GIANONCELLI, Alessandra (Elettra Sincrotrone Trieste)

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
XRF topography information; simulations and data from a novel SDD system 1'

Thursday, 31 May 2018 16:21 (1)

Presenter(s): GEORGE, Kourousias (Elettra - Sincrotrone Trieste)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
The INSIDE bimodal system for range monitoring in particle therapy toward clinical validation

Thursday, 31 May 2018 16:22 (1)

Presenter(s): BISOGNI, Maria Giuseppina (PI)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
CHNET_TANDEM experiment: Use of Negative Muons at Port4 of the RIKEN-RAL for elemental characterization of “Nuragic votive ship” samples

Thursday, 31 May 2018 16:23 (1)

Presenter(s): CLEMENZA, Massimiliano (MIB)
Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Silicon Photomultipliers Applied to Fluorescence Detection of Biomarkers

Thursday, 31 May 2018 16:24 (1)

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

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
The new sample preparation line for radiocarbon measurements at the INFN Bari laboratory

Thursday, 31 May 2018 16:25 (1)

Presenter(s): BARILE, Francesco (BA)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
A C-14 beam monitor using silicon solid state sensor for cultural heritage

Thursday, 31 May 2018 16:26 (1)

Presenter(s): BARILE, Francesco (BA)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Nuclear Resonant Scattering for Gamma-Beam Characterization procedure at ELI-NP

Thursday, 31 May 2018 16:27 (1)

Presenter(s): CAPPELLO, Gigi (CT)
Session Classification: Application to Life Sciences and Other Challenges - Poster Session
A pixelated Faraday cup for proton beam diagnostics

Thursday, 31 May 2018 16:28 (1)

Presenter(s) : SIGNORELLI, Giovanni (PI)

Session Classification : Application to Life Sciences and Other Challenges - Poster Session
Innovative 3D sensitive CdZnTe solid state detector for dose monitoring in Boron Neutron Capture Therapy (BNCT)

Presenter(s): PROTTI, Nicoletta (PV)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Innovation in online hadrontherapy monitoring: an in-beam PET and prompt-gamma-timing combined device.

Thursday, 31 May 2018 16:31 (1)

Presenter(s): FERRERO, Veronica (TO)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
The Restoration of Early Sound Recordings using Optical Metrology and Image Analysis

Thursday, 31 May 2018 16:30 (1)

Presenter(s): HABER, Carl (Lawrence Berkeley National Laboratory)

Session Classification: Application to Life Sciences and Other Challenges - Poster Session
Combined Optical and Electronic Readout for Event Reconstruction in a GEM-based TPC

Friday, 1 June 2018 09:11 (1)

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

Session Classification : Gas Detectors - Poster Session
Study of performances of a straw tube detector with high rate

Presenter(s): BISWAS, Saikat (Variable Energy Cyclotron Centre)

Session Classification: Gas Detectors - Poster Session
Study of stability of gain and energy resolution for GEM detector

Friday, 1 June 2018 09:09 (1)

Presenter(s) : RUDRA, SHARMILI (Seacom Engineering College)
Session Classification : Gas Detectors - Poster Session
Spatial resolution of triple-GEM detectors

Presenter(s) : MALTSEV, Timofei (Budker Institute of Nuclear Physics (BINP))
Session Classification : Gas Detectors - Poster Session
Experimental ion mobility measurements for the LCTPC Collaboration

Friday, 1 June 2018 09:07 (1)

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

Session Classification : Gas Detectors - Poster Session
Ultra long-lived particles searches with MATHUSLA

Friday, 1 June 2018 09:06 (1)

Presenter(s) : MARSELLA, Giovanni (LE)
Session Classification : Gas Detectors - Poster Session
Production and Characterization of GEM Foils in India

Friday, 1 June 2018 09:05 (1)

Presenter(s) : SHAH, Aashaq Hussain (University of Delhi)
Session Classification : Gas Detectors - Poster Session
Contribution ID : 277

High resolution TPC based on optically readout GEM

Presenter(s) : PINCI, Davide (ROMA1)

Session Classification : Gas Detectors - Poster Session
Impact of Single-Mask Hole Asymmetry on the properties of GEM Detectors

*Friday, 1 June 2018 09:03 (1)*

**Presenter(s)**: SHAH, Aashaq Hussain (University of Delhi)

**Session Classification**: Gas Detectors - Poster Session
MRPC with high time resolution for BESIII

Friday, 1 June 2018 09:02 (1)

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

**Session Classification:** Gas Detectors - Poster Session
Upgrade of the ATLAS Muon Spectrometer with new Small-Diameter Drift-tube Chambers

Friday, 1 June 2018 09:01 (1)

Presenter(s) : NOWAK, Sebastian (Max-Planck-Institut for Physics)
Session Classification : Gas Detectors - Poster Session
Design of the FCC-hh Muon Detector and Trigger System

Friday, 1 June 2018 09:00 (1)

Presenter(s): KORTNER, Oliver (Max-Planck-Institut für Physik)
Session Classification: Gas Detectors - Poster Session
Performance of proportional counters filled with Xe + 5% TMA under high count rate

Friday, 1 June 2018 08:59 (1)

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

Session Classification: Gas Detectors - Poster Session
Development of gaseous particle detectors based on semi-conductive plate electrodes

Friday, 1 June 2018 08:58 (1)

Presenter(s) : CARDARELLI, Paolo (FE)

Session Classification : Gas Detectors - Poster Session
The new drift chamber of the MEG II experiment

Friday, 1 June 2018 08:57 (1)

**Presenter(s)**: CHIAPPINI, Marco (SI)

**Session Classification**: Gas Detectors - Poster Session
The micro-Resistive WELL detector for the phase 2 upgrade of the LHCb muon detector

Presenter(s): MORELLO, Gianfranco (INFN)
Session Classification: Gas Detectors - Poster Session
Commissioning and performance of the GE1/1 slice test detectors

Friday, 1 June 2018 08:55 (1)

Presenter(s) :  VAI, Ilaria (PV)
Session Classification :  Gas Detectors - Poster Session
The Multi-Blade 10B-based neutron detector

Presenter(s) : MESSI, Francesco (Division of Nuclear Physics, Lund University)
Session Classification : Gas Detectors - Poster Session
Measurement and simulation of the background in the CMS muon detectors

Friday, 1 June 2018 08:53 (1)

Presenter(s): CALABRIA, Cesare (BA)
Session Classification: Gas Detectors - Poster Session
Protection of the vacuum-working drift chambers with thin-walled tubes (straw) from working gas leakage into vacuum

Friday, 1 June 2018 08:52 (1)

Presenter(s): GLONTI, Levan (Joint Institute for Nuclear Research, Dubna)
Session Classification: Gas Detectors - Poster Session
Study of uniformity of characteristics over the surface for triple GEM detector

Friday, 1 June 2018 08:51 (1)

Presenter(s): ROY, Shreya (Bose Institute)
Session Classification: Gas Detectors - Poster Session
Production and quality control of the new chambers with GEM technology in the CMS muon system

Friday, 1 June 2018 08:50 (1)

Presenter(s): VENDITTI, ROSAMARIA (BA)
Session Classification: Gas Detectors - Poster Session
A new type of RPC with very low resistive plates

Friday, 1 June 2018 08:49 (1)

Presenter(s) : ROY, Shreya (Bose Institute)

Session Classification : Gas Detectors - Poster Session
Test of new Eco-Gas mixtures for the Multigap Resistive Plate Chambers of the EEE Project

Friday, 1 June 2018 08:48 (1)

Presenter(s) :  TRIMARCHI, Marina (CT)

Session Classification :  Gas Detectors - Poster Session
Small-Strip Thin Gap Chambers for the Muon Spectrometer Upgrade of the ATLAS Experiment

Presenter(s): ROJAS, Rimsky (UTFSM)
Session Classification: Gas Detectors - Poster Session
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

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

Session Classification: Gas Detectors - Poster Session
Studies of the MicroMegas performances using the SM1 prototype with data recorded at the Cosmic Ray Stand of LNF

Friday, 1 June 2018 08:45 (1)

Presenter(s): MANCINI, Giada (LNF)
Session Classification: Gas Detectors - Poster Session
High Voltage Stability and Cleaning of $2m^2$
Resistive Strip Micromegas Detectors

Friday, 1 June 2018 08:44

Presenter(s) : MASSAROTTI, Paolo (NA)
Session Classification : Gas Detectors - Poster Session
Performance of the CMS Muon System in LHC Run-2

Presenter(s): BATTILANA, Carlo (BO)
Session Classification: Gas Detectors - Poster Session
Performance and Calibration of 2m^2 Micromegas Detectors for the ATLAS Muon Spectrometer Upgrade

Presenter(s) : MANIATIS, Ioannis (Aristotle University of Thessaloniki)
Session Classification : Gas Detectors - Poster Session
Design of a gaseous beam monitor device using a GPU based simulation code

Presenter(s): BARLERIN, Edgar (LPC Caen)
Session Classification: Gas Detectors - Poster Session
Upgrade program of the RPC system of the CMS Muon Spectrometer

Friday, 1 June 2018 08:40 (1)

Presenter(s) : VOEVODINA, Elena (NA)
Session Classification : Gas Detectors - Poster Session
A Fast Timing Micro-Pattern Gaseous Detector for Future Accelerators and TOF-PET

Friday, 1 June 2018 08:39 (1)

Presenter(s): RADOGNA, Raffaella (BA)

Session Classification: Gas Detectors - Poster Session
Performances of the Multigap Resistive Plate Chambers of the Extreme Energy Events Project

Friday, 1 June 2018 08:38 (1)

Presenter(s): GARBINI, Marco (BO)
Session Classification: Gas Detectors - Poster Session
A double-mesh gaseous structure developed with a thermal bonding technique for single electron detection

Presenter(s): LIU, Jianbei (University of Science and Technology of China)
Session Classification: Gas Detectors - Poster Session
Implementation of the code for the simulation of the response of a triple-GEM tracker and its comparison to the experimental data

Presenter(s):  LAVEZZI, Lia (TO)
Session Classification:  Gas Detectors - Poster Session
The tracking system for the IDEA detector at future lepton colliders

Friday, 1 June 2018 08:35 (1)

Presenter(s): TASSIELLI, Giovanni Francesco (LE)

Session Classification: Gas Detectors - Poster Session
Timing studies of a bakelite multi-gap resistive plate chamber

Friday, 1 June 2018 08:34 (1)

Presenter(s) : GANAI, Rajesh (GSI, Germany)

Session Classification : Gas Detectors - Poster Session
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

Presenter(s): FALLAVOLLITA, Francesco (PV)
Session Classification: Gas Detectors - Poster Session
The construction technique of the new MEG2 tracker

Friday, 1 June 2018 08:32 (1)

Presenter(s) : CHIARELLO, Gianluigi (ROMA1)
Session Classification : Gas Detectors - Poster Session
Improving spatial and PID performance of the high transparency Drift Chamber by using the Cluster Counting and Timing techniques

Friday, 1 June 2018 08:31 (1)

Presenter(s) : CHIARELLO, Gianluigi (ROMA1)
Session Classification : Gas Detectors - Poster Session
Comparative study of triple and quadruple GEM detectors and effect of drift field on the electron transparency

Friday, 1 June 2018 08:30 (1)

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

Session Classification : Gas Detectors - Poster Session
Web-based Experiment Monitoring with HTML5

Friday, 1 June 2018 16:11 (1)

Presenter(s) : RITT, Stefan (PSI, Switzerland)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
From the Phase-0 DAQ upgrade of entire ATLAS Pixel Detector towards the Phase-2 electronics upgrade

Friday, 1 June 2018 16:10 (1)

Presenter(s): GABRIELLI, Alessandro (BO)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Optical Fiber Center Module for the KOTO Experiment

Friday, 1 June 2018 16:09 (1)

Presenter(s) : BOGDAN, Mircea (The University of Chicago)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Kalman meets Molière: Optimal measurement of charged particle momentum from multiple scattering by Bayesian analysis of filtering innovations

Friday, 1 June 2018 16:08 (1)

Presenter(s): BERNARD, Denis (LLR Ecole Polytechnique)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Computing Infrastructure at the CERN Neutrino Platform prototypes experiments

Friday, 1 June 2018 16:07 (1)

Presenter(s): BENEKOS, Nektarios (National Technical University of Athens)
Session Classification: Front, Trigger, DAQ and Data Management - Poster session
WaveDAQ: an highly integrated trigger and data acquisition system

Friday, 1 June 2018 16:06 (1)

Presenter(s):  GALLI, Luca (PI)

Session Classification:  Front, Trigger, DAQ and Data Management - Poster session
Upgrade of the ATLAS detectors and trigger at the High Luminosity LHC: tracking and timing for pile-up suppression

Friday, 1 June 2018 16:05 (1)

Presenter(s): TESTA, Marianna (LNF)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
FATALIC: a fully integrated electronics for the ATLAS tile calorimeter at the HL-LHC

Friday, 1 June 2018 16:04 (1)

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

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
First-Level Muon Track Trigger for Future Hadron Collider Experiments

Friday, 1 June 2018 16:03 (1)

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

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Test of a New Octal Amplifier Shaper Discriminator Chip for the ATLAS MDT Chambers at HL-LHC

Friday, 1 June 2018 16:01 (1)

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

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Outcome of the KLOE-2 experiment after the conclusion of the data-taking period

Friday, 1 June 2018 16:02 (1)

Presenter(s): SIRGHI, Florin Catalin (LNF)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Readout chain validation of INFN modules for the CTA-pSCT camera

*Friday, 1 June 2018 16:00 (1)*

Presenter(s): LOPORCHIO, Serena (BA)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Towards the large area HVCMOS demonstrator for ATLAS ITk

Friday, 1 June 2018 16:42 (1)

Presenter(s) : PRATHAPAN, Mridula (Karlsruhe Institute of Technology)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
An innovative radiation hardened Content-Addressable Memory

Presenter(s): SHOJAILI, Seyedruhollah (MI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
C++ implementation of Bethe-Heitler, 5D, Polarized, 
\[ \gamma \rightarrow e^+e^- \] Pair Conversion Event Generator

Friday, 1 June 2018 16:40 (1)

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

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Upgraded back-end electronics for the CMS Fast Beam Conditions Monitor

Friday, 1 June 2018 16:39 (1)

Presenter(s) : TOSI, Nicolò (BO)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
The Phase-I Trigger Readout Electronics Upgrade of the ATLAS Liquid Argon Calorimeters

Friday, 1 June 2018 16:38 (1)

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

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
The CMS Level-1 tau lepton and vector boson fusion triggers for the LHC Run II

Friday, 1 June 2018 16:37 (1)

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

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

Presenter(s): KORTNER, Oliver (Max-Planck-Institut für Physik)
Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Design and Preliminary Characterization Results of BASIC64, a New Mixed-Signal ASIC for SiPM Detectors

Presenter(s): CALÒ, Pietro Antonio Paolo (Politecnico di Bari)
Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Monte Carlo Response Function Simulations for the HEXITEC CdTe X-ray Detector

Friday, 1 June 2018 16:34 (1)

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

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Reconstruction at 30 MHz for the LHCb upgrade.

Friday, 1 June 2018 16:33 (1)

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

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Towards new Front-End Electronics for the HADES Drift Chamber System

Presenter(s): WIEBUSCH, Michael (Goethe-University Frankfurt)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Selecting and Designing the Front-end Amplifier for High-gain Photomultiplier Detectors with Optimal Timing Performance

Friday, 1 June 2018 16:31 (1)

Presenter(s): CORSI, Francesco (Politecnico di Bari)
Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Performance results of the trigger logic implemented in EUSO-SPB

Friday, 1 June 2018 16:30 (1)

Presenter(s): BERTAINA, Mario Edoardo (TO)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Design of a high radiation-hard driver for Mach-Zehnder Modulators based high-speed links for hadron collider applications

Friday, 1 June 2018 16:29 (1)

Presenter(s) : PALLA, Fabrizio (PI)
Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Scintillation light DAQ and trigger system for the ICARUS T600 experiment at Fermilab

Friday, 1 June 2018 16:28 (1)

Presenter(s): BABICZ, Marta (CERN/INP Cracow)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Data acquisition system for the EDET DH80k instrument

Friday, 1 June 2018 16:27 (1)

Presenter(s) : POLOVYKH, Mikhail (HLL MPG)
Session Classification : Front, Trigger, DAQ and Data Management - Poster session
The MYTHEN-III strip detector prototypes

Friday, 1 June 2018 16:26 (1)

**Presenter(s)**: ANDRÄ, Marie (Paul-Scherrer-Institut)

**Session Classification**: Front, Trigger, DAQ and Data Management - Poster session
Low Latency serial communication for MEG II Trigger system

Friday, 1 June 2018 16:25 (1)

Presenter(s): FRANCESCONI, Marco (PI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Front-end electronic system for large area photomultipliers readout

Presenter(s): MUSICO, Paolo (GE)
Session Classification: Front, Trigger, DAQ and Data Management - Poster session
A low cost, high speed, multichannel Analog to Digital converter board

Friday, 1 June 2018 16:23 (1)

Presenter(s) : MUSICO, Paolo (GE)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
High performance DAQ for muon spectroscopy experiments

Friday, 1 June 2018 16:22 (1)

Presenter(s): SOLDANI, Mattia (MIB)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
First test results of the CHIPIX65 asynchronous front-end connected to a 3D sensor

Friday, 1 June 2018 16:21 (1)

Presenter(s) : GAIONI, Luigi (PV)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Testing and integration of front end electronics for INO-ICAL RPCs

Friday, 1 June 2018 16:20 (1)

Presenter(s): GAUR, Ankit (UNIVERSITY OF DELHI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Radiation study of FPGAs with neutron beam for the COMET Phase-I

Friday, 1 June 2018 16:19 (1)

Presenter(s) : NAKAZAWA, Yu (Osaka Univ.)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Software framework architecture for the high data rate soft X-rays PERCIVAL imager

Friday, 1 June 2018 16:18 (1)

Presenter(s) : BOITRELLE, Benjamin (SOLEIL)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Mu2e calorimeter readout electronic

Friday, 1 June 2018 16:17 (1)

Presenter(s) : CAIULO, Davide (PI)
Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Level-1 track finding with an all-FPGA system at CMS for the HL-LHC

Friday, 1 June 2018 16:16 (1)

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

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Design of the ATLAS phase-II hardware based tracking processor

*Friday, 1 June 2018 16:15 (1)*

**Presenter(s):** POGGI, Riccardo (University of Geneva)

**Session Classification:** Front, Trigger, DAQ and Data Management - Poster session
Design and test of the calibration system of the MEGII Pixelated timing Counter

Friday, 1 June 2018 16:14 (1)

Presenter(s) : CATTANEO, Paolo Walter (PV)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Front-End Electronics of the Electromagnetic Barrel-Calorimeter for the PANDA Target Spectrometer*

Friday, 1 June 2018 16:13 (1)

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

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
The algorithm of the CMS Level-1 Overlap Muon Track Finder trigger

Friday, 1 June 2018 16:12 (1)

Presenter(s): BUNKOWSKI, Karol (Warsaw University)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
The new trigger/GPS module for the EEE Project

Friday, 1 June 2018 16:55 (1)

Presenter(s): PANETTA, Maria Paola (LE)
Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Trigger Performance Verification and Simulation of
the FlashCam Prototype Camera

Friday, 1 June 2018 16:54 (1)

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

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Silicon Drift Detectors arrays and readout ASICs for the SIDDHARTA experiment

Friday, 1 June 2018 16:53 (1)

Presenter(s): AMIRKHANI, Aidin (MI)
Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Self-Contained Configuration Scrubbing in Xilinx FPGAs for On-detector Applications

Friday, 1 June 2018 16:52 (1)

Presenter(s): GIORDANO, Raffaele (NA)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Characterization and first field results of a new 64ch custom front-end ASIC for GEM readout

Friday, 1 June 2018 16:51 (1)

Presenter(s): ALEXEEV, Maxim (TO)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Development of a high voltage power supply for detectors using photo-diode

Friday, 1 June 2018 16:50 (1)

Presenter(s) : RUDRA, SHARMILI (Seacom Engineering College)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Performance of a high-throughput tracking processor implemented on Stratix-V FPGA

Friday, 1 June 2018 16:49 (1)

Presenter(s): LAZZARI, Federico (PI)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
A new readout electronics for the LHCb Muon Detector Upgrade

Friday, 1 June 2018 16:48 (1)

Presenter(s) : BRUNDU, Davide (CA)
Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Muon g-2 Calibration system data flow

Friday, 1 June 2018 16:47 (1)

Presenter(s) : MASTROIANNI, Stefano (NA)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
Operation of Microchannel Plate PMTs with TOFPET multichannel timing electronics

Friday, 1 June 2018 16:46 (1)

Presenter(s): LAPINGTON, Jon (University of Leicester)
Session Classification: Front, Trigger, DAQ and Data Management - Poster session
Design and performance evaluation of front-end electronics for COMET straw tracker

Friday, 1 June 2018 16:45 (1)

Presenter(s) : UENO, Kazuki (KEK)

Session Classification : Front, Trigger, DAQ and Data Management - Poster session
The Monitoring Electronics of the Laser Calibration System in the Muon g-2 experiment

Presenter(s): IACOVACCI, Michele (NA)

Session Classification: Front, Trigger, DAQ and Data Management - Poster session
The performance of the CMS ECAL data acquisition system at LHC Run 2

Friday, 1 June 2018 16:43 (1)

Presenter(s): WAMORKAR, Tanvi (Northeastern University)

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