

Vth INFIERI WORKSHOP: INFIERI AT CERN

Report of Contributions

Contribution ID: 0

Type: **not specified**

REGISTRATION

Monday 27 April 2015 08:50 (10 minutes)

Presenter: ALL

Contribution ID: 1

Type: **not specified**

SEMINAR on NEW PROJECT AT CERN: CLIC detector challenges and motivation for energy frontier physics

Monday 27 April 2015 16:00 (45 minutes)

Presenter: REDFORD, Sophie (CERN)

Contribution ID: 2

Type: **not specified**

SEMINARS on NEW PROJECTS; The FUTURE CIRCULAR COLLIDERS (FCCs) : a long-term future for high-energy physics

Tuesday 28 April 2015 16:00 (45 minutes)

Presenter: JANOT, Patrick (CERN)

Contribution ID: 3

Type: **not specified**

New trends on Advanced 3D vertical interconnect technology

Monday 27 April 2015 13:50 (30 minutes)

Presenter: PATTI, Robert (Tezzaron Semiconductor)

Session Classification: WP2-SESSION on ADVANCED 3D INTERCONNECTS TECHNOLOGY(ies) & APPLICATIONS

Contribution ID: 4

Type: **not specified**

WP2 INFIERI APPLICATION

Monday 27 April 2015 14:20 (20 minutes)

Presenter: VIGNETTI, Matteo Maria (Institut des Nanotechnologies de Lyon (INL-CNRS))

Session Classification: WP2-SESSION on ADVANCED 3D INTERCONNECTS TECHNOLOGY(ies) & APPLICATIONS

Contribution ID: 5

Type: **not specified**

ProtoVIPRAM00 Performance studies

Monday 27 April 2015 14:40 (25 minutes)

Presenter: TRAN, Nhan Viet (Fermi National Accelerator Lab. (US))

Session Classification: WP2-SESSION on ADVANCED 3D INTERCONNECTS TECHNOLOGY(ies) & APPLICATIONS

Contribution ID: 8

Type: **not specified**

New developments on OWC at SSSA

Tuesday 28 April 2015 09:00 (30 minutes)

Presenter: COSSU, Giulio (eduGAIN - Scuola Superiore Sant'Anna)

Session Classification: WP3-SESSION on DATA TRANSMISSION and APPLICATIONS

Contribution ID: 9

Type: **not specified**

New developments on the GBT for higher luminosity LHCb case: the new GWT device

Tuesday 28 April 2015 09:50 (30 minutes)

Presenter: VISSER, Jan (NIKHEF (NL))

Session Classification: WP3-SESSION on DATA TRANSMISSION and APPLICATIONS

Contribution ID: **10**

Type: **not specified**

Data transmission and Medical Imaging case

Tuesday 28 April 2015 09:30 (20 minutes)

Presenter: KONSTANTINOU, Georgios (Universidad Carlos III de Madrid)

Session Classification: WP3-SESSION on DATA TRANSMISSION and APPLICATIONS

Contribution ID: 11

Type: **not specified**

New trends on data transmission at CERN

Presenter: TBA

Contribution ID: 12

Type: **not specified**

SKA Data processing challenges and foreseen solutions

Presenter: HALSALL (TBC), Rob (RAL-STFC)

Contribution ID: 13

Type: **not specified**

The L1 Track Finder for CMS at HL-LHC

Tuesday 28 April 2015 14:50 (40 minutes)

Presenters: CIERI, Davide (STFC - Rutherford Appleton Lab. (GB)); FEDI, Giacomo (Universita di Pisa & INFN (IT))

Session Classification: WP4-SESSION on INTELLIGENT ADVANCED PROCESSING, new accelerators, firmware & realtime algorithms

Contribution ID: 14

Type: **not specified**

Advanced Data Processing for Medical Imaging

Tuesday 28 April 2015 13:30 (40 minutes)

Presenters: DEY, Thomas (Philips Research); KOSTARA, eleftheria (INFN-Pisa and Siena University)

Session Classification: WP4-SESSION on INTELLIGENT ADVANCED PROCESSING, new accelerators, firmware & realtime algorithms

Contribution ID: 15

Type: **not specified**

The CMS Tracking Upgrade for HL-LHC

Tuesday 28 April 2015 14:10 (40 minutes)

Presenter: ABBANEO, Duccio (CERN)

Session Classification: WP4-SESSION on INTELLIGENT ADVANCED PROCESSING, new accelerators, firmware & realtime algorithms

Contribution ID: **19**

Type: **not specified**

CMS Tracker module/hybrid tests and DAQ development for the HL-LHC

Wednesday 29 April 2015 16:00 (20 minutes)

Presenter: AUZINGER, Georg (CERN)

Session Classification: TESTS FACILITIES and DEMONSTRATORS

Contribution ID: 20

Type: **not specified**

Phase 1 Pixel Upgrade at CERN

Wednesday 29 April 2015 16:20 (20 minutes)

Presenter: MERSI, Stefano (CERN)

Session Classification: TESTS FACILITIES and DEMONSTRATORS

Contribution ID: 21

Type: **not specified**

The Future of Neutrino Physics

Presenter: HU, Zhen (Fermi National Accelerator Lab. (US))

Contribution ID: 22

Type: **not specified**

The Phi-sector for the Pixels Phase1 as an overall test bench for Si-tracking

Presenter: TBA

Contribution ID: 23

Type: **not specified**

Medical Imaging Test Facility by SEDECAL in Madrid

Wednesday 29 April 2015 13:30 (20 minutes)

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

Session Classification: WP6-SESSION: TESTS & DEMONSTRATORS

Contribution ID: 24

Type: **not specified**

Test Beam characterization of 3D interconnect pixel demonstrator at FNAL

Wednesday 29 April 2015 13:50 (20 minutes)

Presenter: JONES, Timothy Matthew (Purdue University (US))

Session Classification: WP6-SESSION: TESTS & DEMONSTRATORS

Contribution ID: 25

Type: **not specified**

Test beam facility at FNAL

Wednesday 29 April 2015 14:30 (20 minutes)

Presenter: UPLEGGER, Lorenzo (Fermi National Accelerator Lab. (US))

Session Classification: WP6-SESSION: TESTS & DEMONSTRATORS

Contribution ID: 26

Type: **not specified**

Test bench Facility for Phase 1 Pixels at FNAL

Wednesday 29 April 2015 14:50 (20 minutes)

Presenter: HASEGAWA, Satoshi (Fermi National Accelerator Lab. (US))

Session Classification: WP6-SESSION: TESTS & DEMONSTRATORS

Contribution ID: 27

Type: **not specified**

The IDEASQUARE and Innovation at CERN

Wednesday 29 April 2015 15:10 (30 minutes)

Presenter: NESSI, Marzio (CERN)

Session Classification: WP6-SESSION: TESTS & DEMONSTRATORS

Contribution ID: 28

Type: **not specified**

Lab Bench for SiPM characterization for the CTA camera

Wednesday 29 April 2015 11:00 (20 minutes)

Presenter: WATSON, Jason (Oxford)

Session Classification: WP5-SESSION:TRANSVERSAL TOOLS

Contribution ID: 29

Type: **not specified**

Lab test for OWC at SSSA & CERN secondment prospects

Wednesday 29 April 2015 11:20 (20 minutes)

Presenter: ALI, Wajahat (SSSUP Pisa Italy)

Session Classification: WP5-SESSION:TRANSVERSAL TOOLS

Contribution ID: **30**

Type: **not specified**

MP7 based Demonstrator

Wednesday 29 April 2015 11:40 (30 minutes)

Presenter: BUNDOCK, Aaron (Imperial College Sci., Tech. & Med. (GB))

Session Classification: WP5-SESSION:TRANSVERSAL TOOLS

Contribution ID: **31**

Type: **not specified**

Compactification of pixel data at the FEE

Wednesday 29 April 2015 12:10 (20 minutes)

Presenter: POULIOS, Stamatios (INFN-Pisa and Siena University)

Session Classification: WP5-SESSION:TRANSVERSAL TOOLS

Contribution ID: 32

Type: **not specified**

1. WP1 & related CERN activities

Presenter: BALLABRIGA SUNE (TBC), Rafael (CERN)

Contribution ID: 33

Type: **not specified**

The L1 Pixel trigger

Wednesday 29 April 2015 16:40 (20 minutes)

Presenter: CHRISTIAN, David (Fermilab)

Session Classification: TESTS FACILITIES and DEMONSTRATORS

Contribution ID: 34

Type: **not specified**

Seminars on NEW PROJECTS:The SQUARE KILOMETER ARRAY PROJECT, Pathfinder and overall project objectives and workplan

Tuesday 28 April 2015 16:45 (45 minutes)

Presenter: TORCHINSKY, Stephen (Observatoire de Paris et Nancy)

Contribution ID: 35

Type: **not specified**

SEMINAR on NEW PROJECT: SKA, The SQUARE KILOMETER ARRAY

Presenter: JONES (TBC), Mike (OXFORD)

Contribution ID: 36

Type: **not specified**

SEMINAR on NEW PROJECTS: An overview of the Cherenkov Telescope Array and a look at INFIERI demonstrators for the CTA cameras

Monday 27 April 2015 16:45 (30 minutes)

Presenter: COTTER, Garret (University of Oxford)

Contribution ID: 37

Type: **not specified**

ATLAS IBL and New Pixel Developments

Monday 27 April 2015 11:30 (40 minutes)

Presenter: PERNEGGER, Heinz (CERN)

Session Classification: WP1 & related CERN activities

Contribution ID: **38**

Type: **not specified**

New VELO-LHCb Detector

Presenter: COLLINS (TBC), Paula (CERN)

Contribution ID: 39

Type: **not specified**

MEDIPIX New ASIC developments for Medical Imaging and HEP

Monday 27 April 2015 12:20 (30 minutes)

Presenter: BALLABRIGA SUNE, Rafael (CERN)

Session Classification: WP1 & related CERN activities

Contribution ID: 40

Type: **not specified**

Towards New Developments on Si Photonics at CERN

Tuesday 28 April 2015 11:00 (30 minutes)

Presenter: SEIF EL NASR, Sarah (CERN, University of Bristol (GB))

Session Classification: WP1-and WP3-SECTION on NEW TRENDS in DATA TRANSMISSION and in NEW PIXELS DEVELOPMENTS

Contribution ID: 41

Type: **not specified**

New VELO-LHCb Pixel Detector for Higher Luminosity at LHCb experiment

Tuesday 28 April 2015 11:30 (20 minutes)

Presenter: COLLINS, Paula (CERN)

Session Classification: WP1-and WP3-SECTION on NEW TRENDS in DATA TRANSMISSION and in NEW PIXELS DEVELOPMENTS

Contribution ID: 42

Type: **not specified**

RD53 R&D for a NEW FRONT END ASIC for new PIXEL DEVICES

Tuesday 28 April 2015 11:50 (30 minutes)

Presenter: CHRISTIANSEN, Jorgen (CERN)

Session Classification: WP1-and WP3-SECTION on NEW TRENDS in DATA TRANSMISSION and in NEW PIXELS DEVELOPMENTS

Contribution ID: 43

Type: **not specified**

CLOSING TALK

Wednesday 29 April 2015 17:00 (45 minutes)

Presenter: BERTOLUCCI, Sergio (CERN)

Contribution ID: 44

Type: **not specified**

High Speed Optical Links and High Speed Meshes

Tuesday 28 April 2015 10:20 (15 minutes)

Presenter: ILES, Gregory Michiel (Imperial College Sci., Tech. & Med. (GB))

Session Classification: WP3-SESSION on DATA TRANSMISSION and APPLICATIONS

Contribution ID: 45

Type: **not specified**

Pathfinders as test benches for Astrophysics experiments: the SKA case

Presenter: TORCHINSKY, Stephen (Observatoire de Paris et Nancy)

Contribution ID: 46

Type: **not specified**

Pathfinders as test benches for Astrophysics experiment: the SKA case

Presenter: TORCHINSKY, Stephen (Observatoire de Paris et Nancy)

Contribution ID: 47

Type: **not specified**

Status of Tracking Trigger Demonstration Test Bench Development at FNAL

Wednesday 29 April 2015 10:00 (30 minutes)

Presenter: HU, Zhen (Fermi National Accelerator Lab. (US))

Session Classification: WP5-SESSION:TRANSVERSAL TOOLS

Contribution ID: 49

Type: **not specified**

The INFN camera demonstrator for CTA

Wednesday 29 April 2015 09:40 (20 minutes)

Presenter: Prof. PAOLETTI, Riccardo (University of Siena/INFN Pisa)

Session Classification: WP5-SESSION:TRANSVERSAL TOOLS

Contribution ID: 50

Type: **not specified**

Outreach and Dissemination in INFIERI: status and perspectives/new developments

Wednesday 29 April 2015 09:10 (30 minutes)

Presenter: LIGABUE, Franco (Universita di Pisa & INFN (IT))

Session Classification: WP8-SESSION:OUTREACH & DISSEMINATION