

Forum on Tracking Detector Mechanics 2017

Report of Contributions

Contribution ID: **38**

Type: **not specified**

Radiation length imaging with high resolution telescopes

Monday, 3 July 2017 10:15 (30 minutes)

Presenter: STOLZENBERG, Ulf

Contribution ID: 39

Type: **not specified**

Fiber optic-based sensors for relative humidity monitoring in the experiments running at CERN

Monday, 3 July 2017 11:00 (30 minutes)

Presenter: BERRUTI, Gaia Maria (CERN)

Contribution ID: 40

Type: **not specified**

Summary on performance of "safety" environmental sensors on the CMS Tracker

Monday, 3 July 2017 11:45 (30 minutes)

Presenter: TSIROU, Andromachi (CERN)

Contribution ID: 41

Type: **not specified**

CMS Phase 1 FPIX: Lessons Learned

Monday, 3 July 2017 13:30 (30 minutes)

Presenter: GRUENENDAHL, Stefan (Fermi National Accelerator Lab. (US))

Contribution ID: 42

Type: **not specified**

Thermal Measurements and FEA of the 2S Module for the CMS Phase-2 Tracker Upgrade

Monday, 3 July 2017 14:15 (30 minutes)

Presenter: RAUCH, Max Philip (Rheinisch-Westfaelische Tech. Hoch. (DE))

Contribution ID: 43

Type: **not specified**

Quality assurance for CMS Tracker Phase II upgrade 2S modules

Monday, 3 July 2017 15:00 (30 minutes)

Presenter: BONNAUD, Julien (CERN)

Contribution ID: 44

Type: **not specified**

CMS Flat Barrel outer tracker for HL-LHC

Monday, 3 July 2017 16:15 (30 minutes)

Presenter: LEI, C. M. (Fermi National Accelerator Lab. (US))

Contribution ID: 45

Type: **not specified**

Design and prototyping of the Endcaps for the CMS Tracker Upgrade

Monday, 3 July 2017 17:00 (30 minutes)

Presenter: LUMB, Nick (Universite Claude Bernard-Lyon I (FR))

Contribution ID: 46

Type: **not specified**

Mechanical concept, design and prototyping of the Silicon Tracking System for the CBM Experiment at FAIR

Monday, 3 July 2017 17:45 (30 minutes)

Presenter: VASYLYEV, Oleg (Gesellschaft für Schwerionenforschung)

Contribution ID: 47

Type: **not specified**

Characterization of materials for HL tracker upgrades

Tuesday, 4 July 2017 09:00 (30 minutes)

Presenter: PACIFICO, Nicola (CERN)

Contribution ID: 48

Type: **not specified**

Thermal and tensile strength testing of thermally-conductive adhesives and carbon foam

Tuesday, 4 July 2017 09:45 (30 minutes)

Presenter: CHERTOK, Maxwell (University of California Davis (US))

Contribution ID: 49

Type: **not specified**

SiPM cooling and mechanical support structure of the large area Scintillating Fibre Tracker of LHCb

Tuesday, 4 July 2017 11:00 (30 minutes)

Presenter: Mr WALET, Robbert Cornell (Nikhef National institute for subatomic physics (NL))

Contribution ID: 50

Type: **not specified**

Module Design and Cooling Integration for the LHCb VELO Upgrade

Tuesday, 4 July 2017 11:45 (30 minutes)

Presenter: BYCZYNSKI, Wiktor (CERN)

Contribution ID: 51

Type: **not specified**

Local supports for the ATLAS ITk strip tracker

Tuesday, 4 July 2017 14:15 (30 minutes)

Presenter: BECK, Graham (University of London (GB))

Contribution ID: 52

Type: **not specified**

The forward regions of the ATLAS ITk strips detector for the Phase-II Upgrade

Tuesday, 4 July 2017 15:00 (30 minutes)

Presenters: ARLING, Jan-Hendrik (Deutsches Elektronen-Synchrotron (DE)); DIEZ CORNELL, Sergio (Deutsches Elektronen-Synchrotron (DESY))

Contribution ID: 53

Type: **not specified**

Novel low material-budget detector cooling strategies for inclined modules in silicon tracker detectors

Tuesday, 4 July 2017 16:15 (20 minutes)

Presenter: GOMEZ BOSCH, Ruben (Centro de Investigaciones Energéticas Medioambientales y Tecno)

Contribution ID: 54

Type: **not specified**

Alpine stave mechanical proposal for the ATLAS pixel upgrade project

Tuesday, 4 July 2017 16:35 (20 minutes)

Presenter: PETIT, Elisabeth (LPSC-Grenoble, CNRS/UGA (FR))

Contribution ID: 55

Type: **not specified**

The Phase-II ATLAS Pixel Tracker Upgrade: Readout for Thermal Characterisation of Prototype Staves

Tuesday, 4 July 2017 16:55 (20 minutes)

Presenter: SHARMA, Abhishek (University of Oxford (GB))

Contribution ID: 56

Type: **not specified**

Thermal QC of ATLAS upgrade forward pixel rings

Tuesday, 4 July 2017 17:45 (30 minutes)

Presenter: SCHARMBERG, Nicolas (University of Manchester (GB))

Contribution ID: 57

Type: **not specified**

Diamond-like Heat Spreaders in the Form of Cheap Synthetic Graphite Tape for Cooling of Instrumentation in Radiation Intense Environments

Wednesday, 5 July 2017 09:00 (30 minutes)

Presenter: DE BOER, Wim (KIT - Karlsruhe Institute of Technology (DE))

Contribution ID: 58

Type: **not specified**

Micro-channel cooling INSIDE silicon sensors

Wednesday, 5 July 2017 09:45 (30 minutes)

Presenter: VILLAREJO BERMUDEZ, Miguel-Angel (IFIC-UV (ES))

Contribution ID: 59

Type: **not specified**

Operational experience from the use of a 90 metre thermosiphon cooling plant for C3F8 evaporative cooling of the ATLAS silicon tracker

Wednesday, 5 July 2017 11:00 (30 minutes)

Presenter: ROSSI, Cecilia (INFN e Universita Genova (IT))

Contribution ID: 60

Type: **not specified**

Reduced temperature cooling and heat transfer measurements in C₂F₆/C₃F₈ zeotropic blends, and custom ultrasonic instrumentation for blend measurement and leak monitoring into the environmental volumes of the ATLAS silicon tracker

Wednesday, 5 July 2017 11:45 (30 minutes)

Presenters: MADSEN, Alexander (Deutsches Elektronen-Synchrotron (DE)); HALLEWELL, Gregory (Centre National de la Recherche Scientifique (FR))

Contribution ID: **61**

Type: **not specified**

CO2 superheating and boiling onset measurements in the ATLAS IBL CO2 cooling system

Wednesday, 5 July 2017 13:30 (30 minutes)

Presenter: SLIWA, Krzysztof (Cracow University of Technology (PL))

Contribution ID: 62

Type: **not specified**

Monoblock Approach for a Refrigeration Technical Application (MARTA). Industrial development of Transportable Refrigeration Apparatus for CO₂ Investigation (TRACI)

Wednesday, 5 July 2017 14:15 (30 minutes)

Presenter: KANTOR, Ryszard (Cracow University of Technology (PL))

Contribution ID: 63

Type: **not specified**

The LUCASZ CO₂ cooling systems at CERN and Cornell University

Wednesday, 5 July 2017 15:00 (30 minutes)

Presenters: VERLAAT, Bart (CERN); PADILLA FUENTES, Yadira (Cornell University (US))