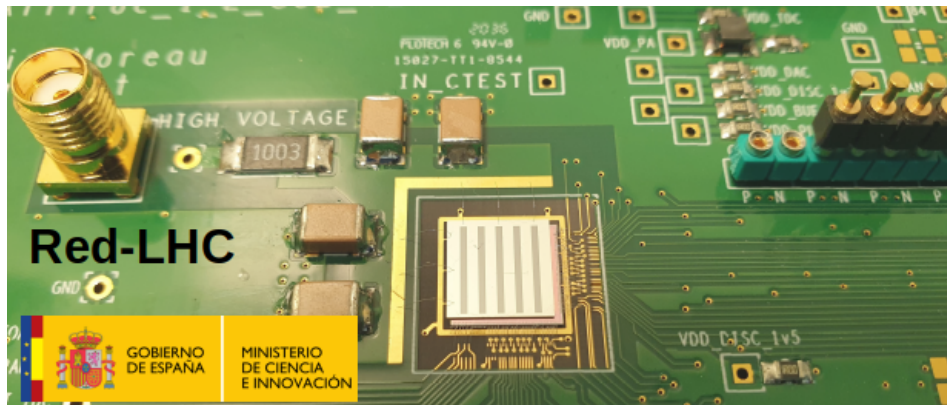


Workshop on LHC Technologies (Red-LHC)



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome and Introduction

Presenters: FERNANDEZ BEDOYA, Cristina (Centro de Investigaciones Energéticas Medioambientales y Tecnológicas); ULLAN, Miguel (CNM-Barcelona (ES)); GRINSTEIN, Sebastian (IFAE - Barcelona (ES))

Session Classification: Day 1: Electronics (part 1)

Contribution ID: 2

Type: **not specified**

High speed electronics for the ATLAS Tile Calorimeter (IFIC)

Monday, 27 September 2021 10:00 (25 minutes)

Presenter: VALERO BIOT, Alberto (Univ. of Valencia and CSIC (ES))

Session Classification: Day 1: Electronics (part 1)

Contribution ID: 8

Type: **not specified**

Aging studies of CMS Drift Tube chambers (Univ. Oviedo)

Tuesday, 28 September 2021 09:00 (25 minutes)

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

Session Classification: Day 2: Detectors (Part 1)

Contribution ID: 9

Type: **not specified**

LHCb SciFi (scintillating-fibre tracker)

Tuesday, 28 September 2021 09:25 (25 minutes)

Presenter: MAZORRA DE COS, Jose (Univ. of Valencia and CSIC (ES))

Session Classification: Day 2: Detectors (Part 1)

Contribution ID: 15

Type: **not specified**

LHCb VeloPix front-end electronics (IGFAE)

Wednesday, 29 September 2021 10:40 (25 minutes)

Presenter: LEMOS CID, Edgar (Universidade de Santiago de Compostela (ES))

Session Classification: Day 3: Electronics (Part 2)

Contribution ID: 16

Type: **not specified**

The ALTIROC2 chip for the ATLAS HGTD Upgrade (IFAE)

Wednesday, 29 September 2021 09:00 (25 minutes)

Presenters: CASANOVA MOHR, Raimon (IFAE - Barcelona (ES)); GRINSTEIN, Sebastian (IFAE - Barcelona (ES))

Session Classification: Day 3: Electronics (Part 2)

Contribution ID: 17

Type: **not specified**

CMS Pixel Electronics system design (ITANNOVA)

Wednesday, 29 September 2021 09:25 (25 minutes)

Presenter: ARTECHE GONZALEZ, Fernando Jose (Aragon Institute of Technology Itainnova (ES))

Session Classification: Day 3: Electronics (Part 2)

Contribution ID: 20

Type: **not specified**

Silicon Sensor Activities (CNM)

Thursday, 30 September 2021 09:25 (25 minutes)

Presenter: PELLEGRINI, Giulio (Centro Nacional de Microelectrónica (IMB-CNM-CSIC) (ES))

Session Classification: Day 4: Detectors (Part 2)

Contribution ID: 21

Type: **not specified**

Sensors for the ATLAS ITk and HGTD Upgrades (IFAE)

Thursday, 30 September 2021 09:00 (25 minutes)

Presenter: TERZO, Stefano (IFAE Barcelona (ES))

Session Classification: Day 4: Detectors (Part 2)

Contribution ID: 22

Type: **not specified**

Silicon Sensors for the ITk (IFIC)

Thursday, 30 September 2021 10:15 (25 minutes)

Presenters: SOLDEVILA SERRANO, Urmila (IFIC (CSIC-UVEG)); SOLDEVILA SERRANO, Urmila (Univ. of Valencia and CSIC (ES))

Session Classification: Day 4: Detectors (Part 2)

Contribution ID: 23

Type: **not specified**

3D and LGAD sensors for the IT and ETL upgrades of CMS (IFCA)

Thursday, 30 September 2021 09:50 (25 minutes)

Presenter: VILA ALVAREZ, Ivan (Instituto de Física de Cantabria (CSIC-UC))

Session Classification: Day 4: Detectors (Part 2)

Contribution ID: 24

Type: **not specified**

FastIC developments for LHCb and Belle RICH upgrades (UB)

Wednesday, 29 September 2021 09:50 (25 minutes)

Presenters: GOMEZ FERNANDEZ, Sergio (University of Barcelona (ES)); GOMEZ FERNANDEZ, Sergio (University of Barcelona (ES))

Session Classification: Day 3: Electronics (Part 2)

Contribution ID: 25

Type: **not specified**

LHCb upgrade 2 calorimeters (UB)

Tuesday, 28 September 2021 09:50 (25 minutes)

Presenter: PICATOSTE OLLOQUI, Eduardo (University of Barcelona (ES))

Session Classification: Day 2: Detectors (Part 1)

Contribution ID: 26

Type: **not specified**

ATLAS Tracker Assembly (IFIC)

Monday, 27 September 2021 10:45 (25 minutes)

Presenter: LACASTA LLACER, Carlos (IFIC/CSIC-UV)

Session Classification: Day 1: Full systems

Contribution ID: 27

Type: **not specified**

Module Assembly for the ATLAS ITk and HGTD detector systems (IFAE)

Monday, 27 September 2021 11:10 (25 minutes)

Presenters: CARLOTTO, Juan Ignacio (IFAE - Barcelona (ES)); FERNANDEZ-MARTINEZ, Pablo (IFAE -Barcelona (ES))

Session Classification: Day 1: Full systems

Contribution ID: 28

Type: **not specified**

ITANNOVA TT

Tuesday, 28 September 2021 10:35 (25 minutes)

Presenter: ARTECHE GONZALEZ, Fernando Jose (Aragon Institute of Technology Itainnova (ES))

Session Classification: Day 2: Technology Transfer

Contribution ID: **30**

Type: **not specified**

Compton cameras in medical applications (IFIC)

Tuesday, 28 September 2021 11:00 (25 minutes)

Presenter: LLOSA LLACER, Gabriela (Univ. of Valencia and CSIC (ES))

Session Classification: Day 2: Technology Transfer

Contribution ID: 31

Type: **not specified**

IFAE - KTT Activities

Tuesday, 28 September 2021 11:25 (25 minutes)

Presenter: ESPARBE, Isaac (Institut de Física d'Altes Energies (IFAE))

Session Classification: Day 2: Technology Transfer

Contribution ID: 32

Type: **not specified**

High Temperature superconductors for FCC (IFAE)

Wednesday, 29 September 2021 11:25 (25 minutes)

Presenter: KOROLKOV, Ilya (The Barcelona Institute of Science and Technology (BIST) (ES))

Session Classification: Day 3: Accelerator Technologies

Contribution ID: 33

Type: **not specified**

Superconducting magnets for the HL-LHC (CIEMAT)

Wednesday, 29 September 2021 11:50 (25 minutes)

Presenters: MARTINS JARDIM, Carla (Centro de Investigaciones Energéticas, MedioAmbientales y Tecnológicas); TORAL, Fernando (Centro de Investigaciones Energéti cas Medioambientales y Tecno)

Session Classification: Day 3: Accelerator Technologies

Contribution ID: 34

Type: **not specified**

Radiation Detectors fabrication at IMB-CNM (CNM)

Tuesday, 28 September 2021 11:50 (25 minutes)

Presenters: BASSIGNANA, Daniela (IMB-CNM, CSIC); BASSIGNANA, Daniela (CNM)

Session Classification: Day 2: Technology Transfer

Contribution ID: 35

Type: **not specified**

Tomografía muónica y TPA-TCT (IFCA)

Tuesday, 28 September 2021 12:15 (25 minutes)

Presenters: MARTINEZ, Pablo; MARTINEZ RUIZ DEL ARBOL, Pablo (Universidad de Cantabria and CSIC (ES))

Session Classification: Day 2: Technology Transfer

Contribution ID: 36

Type: **not specified**

Module Assembly for the IT and ETL upgrades of CMS (IFCA)

Monday, 27 September 2021 12:00 (25 minutes)

Presenter: GOMEZ, Gervasio (Universidad de Cantabria and CSIC (ES))

Session Classification: Day 1: Full systems

Contribution ID: **38**

Type: **not specified**

Trigger algorithms for the Muon Track Finder (Univ. Oviedo)

Monday, 27 September 2021 09:35 (25 minutes)

Presenters: FOLGUERAS, Santiago (Universidad de Oviedo (ES)); FOLGUERAS, Santiago

Session Classification: Day 1: Electronics (part 1)

Contribution ID: 39

Type: **not specified**

Data acquisition, trigger algorithms and firmware for the Muon system at CMS (CIEMAT)

Monday, 27 September 2021 09:10 (25 minutes)

Presenter: NAVARRO TOBAR, Alvaro (Centro de Investigaciones Energéticas Medioambientales y Tecnológicas)

Session Classification: Day 1: Electronics (part 1)

Contribution ID: 40

Type: **not specified**

Electronics for the CMS Muon Drift Tubes (CIEMAT)

Wednesday, 29 September 2021 10:15 (25 minutes)

Presenter: SASTRE ALVARO, Javier (Centro de Investigaciones Energéticas Medioambientales y Tecnológicas)

Session Classification: Day 3: Electronics (Part 2)

Contribution ID: 41

Type: **not specified**

LHCb VELO phase 1 integration (IGFAE)

Monday, 27 September 2021 11:35 (25 minutes)

Presenter: FERNANDEZ PRIETO, Antonio (Instituto Galego de Física de Altas Enerxías (IGFAE)
Universidade de Santiago de Compostela (ES))

Session Classification: Day 1: Full systems

Contribution ID: 42

Type: **not specified**

Welcome and Introduction

Monday, 27 September 2021 09:00 (10 minutes)

Presenters: GARCIA, Carmen (IFIC Valencia (ES)); GARCIA, Carmen (Univ. of Valencia and CSIC (ES)); FERNANDEZ BEDOYA, Cristina (Centro de Investigaciones Energéticas Medioambientales y Tecnológicas); ULLAN, Miguel (CNM-Barcelona (ES)); GRINSTEIN, Sebastian (IFAE - Barcelona (ES))