

# **Common ATLAS CMS Electronics Workshop**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

# Welcome

*Monday, 19 March 2007 14:00 (5 minutes)*

**Presenter:** ENGELEN, Jos (CERN)

**Session Classification:** Welcome and Introduction

Contribution ID: 1

Type: **not specified**

## Introduction

*Monday, 19 March 2007 14:05 (10 minutes)*

**Presenter:** FARTHOUAT, Philippe (CERN)

**Session Classification:** Welcome and Introduction

Contribution ID: 2

Type: **not specified**

## Machine Talk

*Monday, 19 March 2007 14:15 (30 minutes)*

**Primary author:** SCANDALE, Walter (CERN)

**Presenter:** SCANDALE, Walter (CERN)

**Session Classification:** Opening Session

Contribution ID: 3

Type: **not specified**

## ATLAS Plans

*Monday, 19 March 2007 14:45 (30 minutes)*

**Primary author:** HESSEY, Nigel (FOM Institute of Atomic and Molecular Physics (AMOLF))

**Presenter:** HESSEY, Nigel (FOM Institute of Atomic and Molecular Physics (AMOLF))

**Session Classification:** Opening Session

Contribution ID: 4

Type: **not specified**

## **CMS Plans**

*Monday, 19 March 2007 15:15 (30 minutes)*

**Primary author:** Dr NASH, Jordan (CERN)

**Presenter:** Dr NASH, Jordan (CERN)

**Session Classification:** Opening Session

Contribution ID: 5

Type: **not specified**

## speech

**Primary author:** CLAUDE, Sandra (CERN)

**Presenter:** CLAUDE, Sandra (CERN)

Contribution ID: 6

Type: **not specified**

## Physics Benchmarks

*Monday, 19 March 2007 16:15 (20 minutes)*

**Primary author:** MANGANO, Michelangelo (CERN)

**Presenter:** MANGANO, Michelangelo (CERN)

**Session Classification:** Opening Session



Contribution ID: 7

Type: **not specified**

## 3D Technology

*Monday, 19 March 2007 16:35 (30 minutes)*

**Primary author:** Mr YAREMA, Ray (FNAL)

**Presenter:** Mr YAREMA, Ray (FNAL)

**Session Classification:** Opening Session

Contribution ID: 8

Type: **not specified**

## **CERN - "Common Projects"**

*Monday, 19 March 2007 17:05 (30 minutes)*

**Primary author:** CHRISTIANSEN, Jorgen (CERN)

**Presenter:** CHRISTIANSEN, Jorgen (CERN)

**Session Classification:** Opening Session

Contribution ID: 9

Type: **not specified**

## Summary of Existing Systems

*Tuesday, 20 March 2007 10:55 (15 minutes)*

**Primary author:** FARTHOuat, Philippe (CERN)

**Presenter:** FARTHOuat, Philippe (CERN)

**Session Classification:** Power/Links

Contribution ID: **10**

Type: **not specified**

## **Status Report on CERN Power Project**

*Tuesday, 20 March 2007 11:10 (15 minutes)*

**Primary author:** FACCIO, Federico (CERN)

**Presenter:** FACCIO, Federico (CERN)

**Session Classification:** Power/Links

Contribution ID: 11

Type: **not specified**

## Serial Power

*Tuesday, 20 March 2007 11:25 (25 minutes)*

**Primary author:** Dr WEBER, Marc (Rutherford Appleton Laboratory)

**Presenter:** Dr WEBER, Marc (Rutherford Appleton Laboratory)

**Session Classification:** Power/Links

Contribution ID: 12

Type: **not specified**

## DC DC switched

*Tuesday, 20 March 2007 11:50 (25 minutes)*

**Primary author:** GARCIA-SCIVERES, Maurice (LBNL)

**Presenter:** GARCIA-SCIVERES, Maurice (LBNL)

**Session Classification:** Power/Links

Contribution ID: 13

Type: **not specified**

## On Chip Regulation in CMS Pixels

*Tuesday, 20 March 2007 12:15 (15 minutes)*

**Primary author:** Dr KAESTLI, Hans-Christian (PSI)

**Presenter:** Dr KAESTLI, Hans-Christian (PSI)

**Session Classification:** Power/Links

Contribution ID: 14

Type: **not specified**

## System Level Requirements

*Tuesday, 20 March 2007 09:00 (15 minutes)*

**Primary author:** HALL, Geoff (Imperial College London)

**Presenter:** HALL, Geoff (Imperial College London)

**Session Classification:** Power/Links



Contribution ID: 15

Type: **not specified**

## **GBT**

*Tuesday, 20 March 2007 09:15 (25 minutes)*

**Primary author:** MARCHIORO, Alessandro (CERN)

**Presenter:** MARCHIORO, Alessandro (CERN)

**Session Classification:** Power/Links

Contribution ID: 16

Type: **not specified**

## Optoelectronics WG Report

*Tuesday, 20 March 2007 09:40 (45 minutes)*

**Primary author:** VASEY, Francois (CERN)

**Presenter:** VASEY, Francois (CERN)

**Session Classification:** Power/Links

Contribution ID: 17

Type: **not specified**

## ATLAS Pixel Architecture

*Tuesday, 20 March 2007 14:00 (15 minutes)*

**Primary author:** DARBO, Nanni (Universita degli Studi di Genova Dipart. di Fisica)

**Presenter:** DARBO, Nanni (Universita degli Studi di Genova Dipart. di Fisica)

**Session Classification:** Tracker Electronics

Contribution ID: **18**

Type: **not specified**

## **CMS Pixel Architecture**

*Tuesday, 20 March 2007 14:15 (25 minutes)*

**Primary author:** Dr HORISBERGER, Roland (PSI)

**Presenter:** Dr HORISBERGER, Roland (PSI)

**Session Classification:** Tracker Electronics

Contribution ID: **19**

Type: **not specified**

## **ATLAS Strip Architecture**

*Tuesday, 20 March 2007 14:40 (15 minutes)*

**Primary author:** Dr GRILLO, Alexander A. (Santa Cruz Institute for Particle Physics, University of California, Santa Cruz)

**Presenter:** Dr GRILLO, Alexander A. (Santa Cruz Institute for Particle Physics, University of California, Santa Cruz)

**Session Classification:** Tracker Electronics

Contribution ID: 20

Type: **not specified**

## CMS Strip Architecture

*Tuesday, 20 March 2007 14:55 (30 minutes)*

**Primary author:** RAYMOND, David Mark (High Energy Phys.Group Blackett-Lab Imp.Coll.)

**Presenter:** RAYMOND, David Mark (High Energy Phys.Group Blackett-Lab Imp.Coll.)

**Session Classification:** Tracker Electronics

Contribution ID: 21

Type: **not specified**

## Ongoing Work ATLAS - Pixel B

*Tuesday, 20 March 2007 15:25 (15 minutes)*

**Primary author:** EINSWEILER, Kevin (Lawrence Berkeley National Laboratory (LBNL))

**Presenter:** EINSWEILER, Kevin (Lawrence Berkeley National Laboratory (LBNL))

**Session Classification:** Tracker Electronics

Contribution ID: 22

Type: **not specified**

## **ATLAS ABCNext/SiGe**

*Tuesday, 20 March 2007 15:40 (15 minutes)*

**Primary author:** DABROWSKI, Wladyslaw (AGH Univ. of Science & Technology Phys.&Appl.Comp.Sc.)

**Presenter:** DABROWSKI, Wladyslaw (AGH Univ. of Science & Technology Phys.&Appl.Comp.Sc.)

**Session Classification:** Tracker Electronics



Contribution ID: 23

Type: **not specified**

## Very Rad Hard Sensors

*Tuesday, 20 March 2007 16:25 (20 minutes)*

**Primary author:** MOLL, Michael (CERN)

**Presenter:** MOLL, Michael (CERN)

**Session Classification:** Tracker Electronics

Contribution ID: 24

Type: **not specified**

## Triggering Tracker 1 (CMS)

*Tuesday, 20 March 2007 16:45 (20 minutes)*

**Primary author:** Dr FOUNTAS, Costas (Imperial College)

**Presenter:** Dr FOUNTAS, Costas (Imperial College)

**Session Classification:** Tracker Electronics

Contribution ID: 25

Type: **not specified**

## Triggering Tracker 2 (CMS)

*Tuesday, 20 March 2007 17:05 (20 minutes)*

**Primary author:** PALLA, Fabrizio (Univ. + INFN)

**Presenter:** PALLA, Fabrizio (Univ. + INFN)

**Session Classification:** Tracker Electronics

Contribution ID: 26

Type: **not specified**

## Calorimeters: ATLAS Front End

*Wednesday, 21 March 2007 09:00 (20 minutes)*

**Primary author:** CITTERIO, Mauro (Department of Physics)

**Presenter:** CITTERIO, Mauro (Department of Physics)

**Session Classification:** Muons/Calorimeters

Contribution ID: 27

Type: **not specified**

## Calorimeter ATLAS Back End

*Wednesday, 21 March 2007 09:20 (20 minutes)*

**Presenter:** Mr MEAD, Joseph (BNL)

**Session Classification:** Muons/Calorimeters

Contribution ID: 28

Type: **not specified**

## Muon Electronics CMS

*Wednesday, 21 March 2007 09:40 (20 minutes)*

**Primary author:** LODDO, Flavio (Univ. + INFN)

**Presenter:** LODDO, Flavio (Univ. + INFN)

**Session Classification:** Muons/Calorimeters

Contribution ID: 29

Type: **not specified**

## Muon Electronics ATLAS

*Wednesday, 21 March 2007 10:00 (20 minutes)*

**Primary author:** RICHTER, Robert (Max-Planck-Institut fur Physik)

**Presenter:** RICHTER, Robert (Max-Planck-Institut fur Physik)

**Session Classification:** Muons/Calorimeters

Contribution ID: **30**

Type: **not specified**

## **DAQ Upgrades**

*Wednesday, 21 March 2007 10:50 (15 minutes)*

**Primary author:** CITTOLIN, Sergio (CERN)

**Presenter:** CITTOLIN, Sergio (CERN)

**Session Classification:** Trigger/DAQ



Contribution ID: 31

Type: **not specified**

## **ATLAS Trigger Upgrade Overview**

*Wednesday, 21 March 2007 11:05 (15 minutes)*

**Primary author:** STEFAN, Tapprogge (Institut fur Physik - Johannes-Gutenberg-Universitaet)

**Presenter:** STEFAN, Tapprogge (Institut fur Physik - Johannes-Gutenberg-Universitaet)

**Session Classification:** Trigger/DAQ

Contribution ID: 32

Type: **not specified**

## **CMS Trigger Upgrade Overview**

*Wednesday, 21 March 2007 11:20 (15 minutes)*

**Primary author:** SMITH, Wesley (University of Wisconsin)

**Presenter:** SMITH, Wesley (University of Wisconsin)

**Session Classification:** Trigger/DAQ

Contribution ID: 33

Type: **not specified**

## **CMS Trigger HW Developments**

*Wednesday, 21 March 2007 11:35 (15 minutes)*

**Primary author:** Mr STETTLER, Matt (CERN)

**Presenter:** Mr STETTLER, Matt (CERN)

**Session Classification:** Trigger/DAQ

Contribution ID: 34

Type: **not specified**

## **CMS Trigger HW Developments 2**

*Wednesday, 21 March 2007 11:50 (15 minutes)*

**Primary author:** Prof. ACOSTA, Darin (University of Florida)

**Presenter:** Prof. ACOSTA, Darin (University of Florida)

**Session Classification:** Trigger/DAQ

Contribution ID: 35

Type: **not specified**

## ATLAS Trigger HW Developments

*Wednesday, 21 March 2007 12:05 (30 minutes)*

**Primary author:** MIKENBERG, George (Department of Particle Physics)

**Presenter:** MIKENBERG, George (Department of Particle Physics)

**Session Classification:** Trigger/DAQ

Contribution ID: **36**

Type: **not specified**

## **R & D Priorities**

*Wednesday, 21 March 2007 14:00 (45 minutes)*

**Session Classification:** Round Table Session

Contribution ID: 37

Type: **not specified**

## **A Common Framework for Collaboration**

*Wednesday, 21 March 2007 14:45 (45 minutes)*

**Session Classification:** Round Table Session