# 2nd LHC Detector Alignment Workshop

# Report of Contributions

Contribution ID: **2** Type: **not specified**

# (no title)

Contribution ID: **3**                                                Type: **not specified**

# Special Topics

Contribution ID: **4**                                         Type: **not specified**

# Introduction

*Monday 25 June 2007 09:00 (15 minutes)*

**Presenter:**   VIRET, Sebastien

**Session Classification:**   Introduction & Special Topics

Contribution ID: **5**                                                    Type: **not specified**

# Geant 4 & Detector Description Model

*Monday 25 June 2007 09:15 (30 minutes)*

**Presenter:**   COSMO, Gabriele

**Session Classification:**   Introduction & Special Topics

Contribution ID: **6**           Type: **not specified**

# Geological movements in the Pit; alignment of the machine

*Tuesday 26 June 2007 10:15 (30 minutes)*

**Presenter:** LASSEUER, Christian

**Session Classification:** Special Topics

Contribution ID: **8**                                                    Type: **not specified**

# ATLAS: Hardware based muon alignment EndCap

*Monday 25 June 2007 14:30 (15 minutes)*

**Presenter:**   AMELUNG, Christoph

**Session Classification:**   LHC session - Hardware Alignment

Contribution ID: **9**                                  Type: **not specified**

# CMS: Muon Hardware System & MTCC Experience

**Presenter:**    MARTINEZ, Pablo

Contribution ID: **10**                                    Type: **not specified**

# Alice

Contribution ID: **11**                                         Type: **not specified**

# Experience from previous Experiments

Contribution ID: **12**        Type: **not specified**

# Alignment at the ILC

*Tuesday 26 June 2007 09:15 (30 minutes)*

**Presenter:** VOS, Marcel

**Session Classification:** Special Topics

Contribution ID: **13**                                                       Type: **not specified**

# Status and plans for the startup of the LHC machine

*Tuesday 26 June 2007 09:45 (30 minutes)*

**Presenter:**   LAMONT, Mike

**Session Classification:**   Special Topics

Contribution ID: **14**                                                                 Type: **not specified**

# ATLAS alignment computing ID+Muon

*Tuesday 26 June 2007 14:30 (30 minutes)*

**Presenter:**   KOTOV, Serguei

**Session Classification:**   Alignment and Computing

Contribution ID: **15**                                                     Type: **not specified**

# ALICE: Alignment and computing

*Tuesday 26 June 2007 15:00 (30 minutes)*

**Presenter:**   GROSSO, Raffaele

**Session Classification:**   Alignment and Computing

Contribution ID: **16**                                                          Type: **not specified**

# CMS: Alignment work and data flow

*Tuesday 26 June 2007 15:30 (30 minutes)*

**Presenter:**   PIVARSKI, Jim

**Session Classification:**   Alignment and Computing

Contribution ID: **18** Type: **not specified**

# CMS

*Tuesday 26 June 2007 11:15 (30 minutes)*

**Presenter:** GRITSAN, Andrei

**Session Classification:** First alignment geometry (Survey and first data)

Contribution ID: **19** Type: **not specified**

# ALICE

*Tuesday 26 June 2007 11:45 (30 minutes)*

**Presenters:** DAINESE, Andrea; SILVA, Ricardo

**Session Classification:** First alignment geometry (Survey and first data)

Contribution ID: **20** Type: **not specified**

# LHCb

*Tuesday 26 June 2007 12:15 (30 minutes)*

**Presenter:** Dr BLUSK, Steven (Syracuse University)

**Session Classification:** First alignment geometry (Survey and first data)

Contribution ID: **21** Type: **not specified**

# ATLAS

*Tuesday 26 June 2007 12:45 (30 minutes)*

**Presenter:** SCHMITT, Christian

**Session Classification:** First alignment geometry (Survey and first data)

Contribution ID: **22**                                             Type: **not specified**

# Improvements of Algorithms

Contribution ID: **23**                                                           Type: **not specified**

# ALICE: Geometry Monitoring System of the ALICE Muon Spectrometer and ITS-AMS

*Monday 25 June 2007 16:45 (30 minutes)*

**Presenter:**   TIEULENT, Raphael Noel

**Session Classification:**   LHC session - Hardware Alignment II

Contribution ID: **24** Type: **not specified**

# ATLAS:Hardware based muon alignment Barrel

*Monday 25 June 2007 14:15 (15 minutes)*

**Presenter:** SCHUNE, Philippe

**Session Classification:** LHC session - Hardware Alignment

Contribution ID: **26**                                              Type: **not specified**

# Millepede II

*Monday 25 June 2007 10:00 (30 minutes)*

**Presenter:**   BLOBEL, Volker

**Session Classification:**   Improvements of Algorithms

Contribution ID: **27**                                               Type: **not specified**

# Application of Millepede II

*Monday 25 June 2007 10:30 (30 minutes)*

**Presenter:**   STOYE, Markus

**Session Classification:**   Improvements of Algorithms

Contribution ID: **28**             Type: **not specified**

# Alignment with tracks fitted with a Kalman filter

*Monday 25 June 2007 11:30 (30 minutes)*

**Presenter:** HULSBERGEN, Wouter

**Session Classification:** Improvements of Algorithms II

Contribution ID: **29**                                               Type: **not specified**

# ATLAS: Rapid precise shape monitoring of the ATLAS silicon tracker

*Monday 25 June 2007 14:45 (30 minutes)*

**Presenter:** GIBSON, Stephen

**Session Classification:** LHC session - Hardware Alignment

Contribution ID: **30**                                                      Type: **not specified**

# CMS: Muon Hardware System & MTCC Experience

*Monday 25 June 2007 15:15 (30 minutes)*

**Presenter:**   MARTINEZ, Pablo

**Session Classification:**   LHC session - Hardware Alignment

Contribution ID: **31**                                                              Type: **not specified**

# CMS: Silicon Tracker Laser Alignment System

*Monday 25 June 2007 16:15 (30 minutes)*

**Presenter:**   WITTMER, Bruno

**Session Classification:**   LHC session - Hardware Alignment II

Contribution ID: **32**                                          Type: **not specified**

# LHCb: Laser alignment monitoring system for the RICH

*Monday 25 June 2007 17:15 (30 minutes)*

**Presenter:**   PAPANESTIS, Antonis

**Session Classification:**   LHC session - Hardware Alignment II

Contribution ID: **33**                                                    Type: **not specified**

# Alignment of the ATLAS Muon Spectrometer with Curved Tracks

*Monday 25 June 2007 12:00 (20 minutes)*

**Presenter:**   KORTNER, Oliver

**Session Classification:**   Improvements of Algorithms II

Contribution ID: **34**                                           Type: **not specified**

# ATLAS InnerDetector: alignment with tracks

*Monday 25 June 2007 12:20 (20 minutes)*

**Presenter:** MARTI I GARCIA, Salvador

**Session Classification:** Improvements of Algorithms II

Contribution ID: **35**

Type: **not specified**

# Test

*Monday 25 June 2007 17:45 (20 minutes)*