







CLOSING SESSION

Introduction



2. Goals of the second Workshop

⇒ <u>Update on software alignment:</u>

Monday MORNING





10:00->11:00 Improvements of Algorithms (Convener: Jochen Schieck (Max-Planck-Institut für Physik))

10:00 Millepede II (30') Volker Blobel

10:30 Application of Millepede II (30') Markus Stoye

11:00 break

11:30->13:15 Improvements of Algorithms II (Convener: Jochen Schieck (Max-Planck-Institut für Physik))

11:30 Alignment with tracks fitted with a Kalman filter (30')

Wouter Hulsbergen

12:00 Alignment of the ATLAS Muon Spectrometer with Curved Tracks (201)

Oliver Kortner

12:20 ATLAS InnerDetector: alignment with tracks (20)



⇒ Look at hardware alignment:

Monday AFTERNOON

break

14:15->15:45 LHC session - Hardware Alignment (Convener: Florian Bauer (DAPNIA)

14:15 ATLAS:Hardware based muon alignment Barrel (15)

14:30 ATLAS: Hardware based muon alignment EndCap (15)

14:45 ATLAS: Rapid precise shape monitoring of the ATLAS silicon tracker (30)

15:15 CMS: Muon Hardware System & MTCC Experience (301)

15:45

Philippe Schune

Christoph Amelung

Stephen Gibson

Pablo Martinez

16:15->17:45 LHC session - Hardware Alignment II (Convener: Celso Martinez Rivero (Consejo Superior de

Investigaciones Cientificas (CSIC)))

16:15 CMS: Silicon Tracker Laser Alignment System (30)

Bruno Wittmer

16:45 ALICE: Geometry Monitoring System of the ALICE Muon Spectrometer and ITS-AMS (30')

Raphael Noel Tieulent

17:15 LHCb: Laser alignment monitoring system for the RICH (30)

Antonis Papanestis

Outcome of the first Workshop

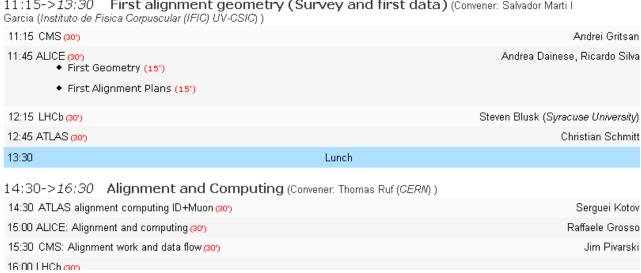
2. Goals of the second Workshop

⇒ Prepare for the first data (survey and computing):

09:15 Geant 4 & Detector Description Model (30)		Gabriele Cosmo
09:45 Status and plans for the startup of the LHC machine (30')		Mike Lamont
10:15 Geological movements in the Pit; alignment of the machine (3)	0')	Christian Lasseuer
10:45	break	
11:15->13:30 First alignment geometry (Survey and first data) (Convener: Salvador Marti I Garcia (Instituto de Fisica Gorouscular (IFIG) DV-CSIG)		



Tuesday





- Outcome of the first Workshop
- 2. Goals of the second Workshop

\Rightarrow And a look at the future...

TUESDAY MORNING

09:15 Alignment at the ILC (30')

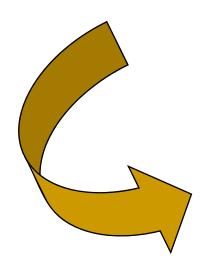
Marcel Vos



Have we reached

the goals?

- Comments
- Criticism
- Suggestions
- •Something to add, rectify?

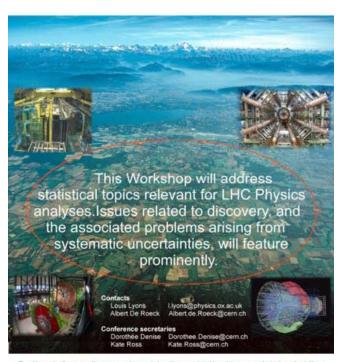


Discovery potential - alignment quality dependent !!!



Statistical Issues for LHC Physics

CERN Geneva June 27-29, 2007



Further information and registration at http://cern.ch/phystat-lhc



http://www.physics.gla.ac.uk/~sviret/LHCali_main.pdf



Many thanks to all contri butors!

CERN-2007-777 27 May 2007

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

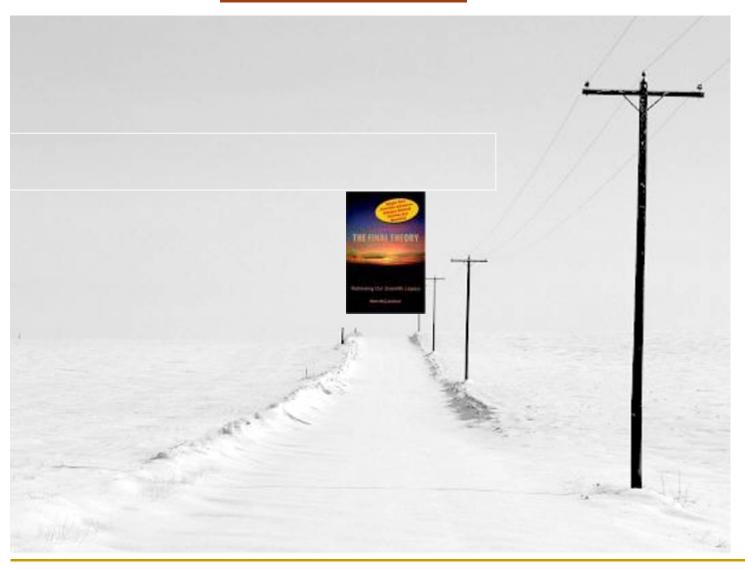


Proceedings of the first LHC Detector Alignment Workshop

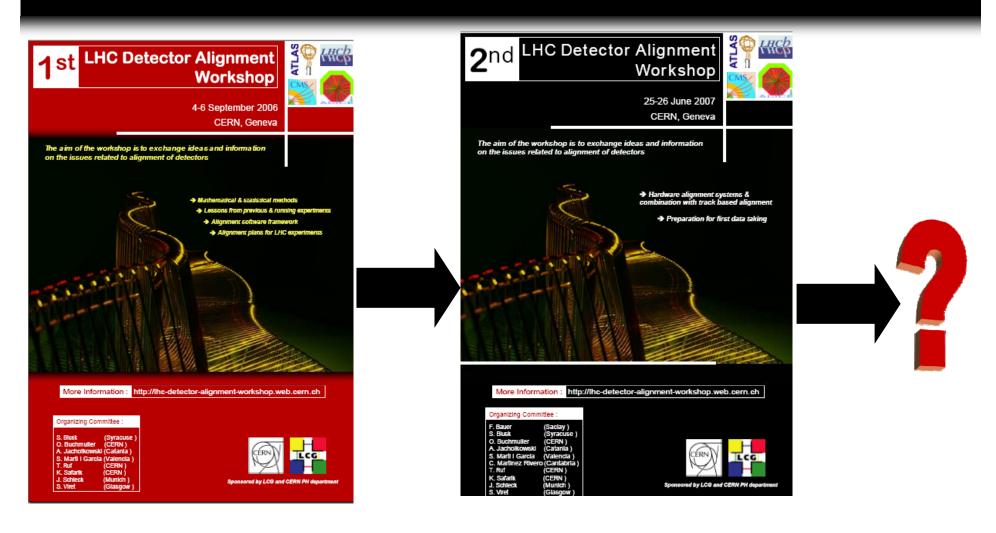
> CERN, Geneva, Switzerland 4-6 September 2006

GENEVA

A ROAD AHEAD



2nd LHC Detector Alignment Workshop 25-26th June 2007



Thanks to everybody and see you again after first alignment (with real data!)