

6th International Workshop on Accelerator Alignment - IWAA 99



1 Status Reports From Accelerator Facilities Around the World

- H. Friedsam Long-Term Stability of the APS Storage Ring
- R.K. Sahu Review of Alignment Activities for Indus-1 & 2 at CAT
- F. Karl Status of the Relativistic Heavy Ion Collider
- C. Zhang Alignment for New Subaru Ring
- J.-P. Quesnel The Metrology of the LHC Project: What News?
- C.T. Murphy Survey and Alignment at Fermilab
- D. Martin Alignment at the ESRF

2 Alignment, Instruments, Software and Methods

- X. He Plane Deformation Monitoring Network and Computational Method of the NSRL Storage Ring
- R. Sugahara Installation and Alignment of KEKB Magnets
- D. Missiaen 3-D Metrology Applied to Superconducting Dipoles Magnets for LHC
- H. Kahmen Object Recognition With Video-Theodolites and Without Targeting the Object
- I. Pschorn Combined Techniques for Network Measurements at Accelerator Facilities
- N. Smirnov The Methods of the LHC Magnets' Magnetic Axis Location Measurement
- S. Matsui Attempt of Portable HLS
- B. Oshinowo Survey of the A, B and C Layers of the Fermilab D0 Muon Detector System
- B. Boeckem High-Accuracy Alignment Based on Atmospherical Dispersion - Technological Approaches and Solutions for the Dual-Wavelength Transmitter
- F. Tecker Orbit Correction in the Recycler Permanent Magnet Storage Ring

- J. Prochnow Performance of Wire Position Sensors in a Radiation Environment
- B. Fuss VISA Undulator Fiducialization and Alignment
- L. Brunel Simulgeo and Its Application for the Muon Barrel Position Monitor
- P. Arce 00 Software for the Alignment of the CMS Experiment at CERN

3 Metrology Aspects of Physics Installations, Experiments and Detectors

- P. Schune Two Transparent Optical Sensors for the Positioning of Detectors Using a Reference Laser Beam
- N. Romman Application Note - Automotive Hood Measurement
- M. Fernandez Transparent Amorphous Silicon Sensors for the Alignment System of Particle Detectors
- I. Vila The CMS Link System
- K. Tammi Alignment of the MSGC Barrel Support Structure
- C. Humbertclaude Results of 3D Photogrammetry on the CMS Barrel Yoke
- V. Bocean Geodetic Determinations for the NuMI Project at Fermilab
- C.T. Schneider Mobile 3D Probe

4 Alignment Topics Pertaining to Linear Colliders, 4th Generation Light Sources and Related Facilities

- K. Haga The Vibration Measurements at the Photon Factory Storage Ring Building
- R. Pittin High Performance Electronics for Alignment Regulation on the CLIC 30GHz Modules
- M. Mayoud Deformation Analysis of LEP

