

IMMW12 - PROGRAMME

01-Oct-01

Introduction - L Walckiers

09:00	09:30	P Elleaume, ESRF	Welcome
09:30	10:00	A Ropert, ESRF	The impact of magnet field quality on machine performance

Overviews of Magnetic Measurements - L Walckiers

10:00	10:35	S Sanfilippo, CERN	Strategy for Series Magnetic Measurements of the LHC superconducting magnets
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coffee break

11:05	11:55	A Jain, BNL	Recent Magnetic Measurement activities at BNL
11:55	12:20	CS Hwang, SRRC	An overview of the magnet measurement development at SRRC

lunch

Hall Probe - Z Wolf

14:00	14:25	D Beltran, IFAE	An instrument for precision magnetic measurements of large magnetic structures
14:25	15:00	F Bergsma, CERN	Calibration of a 3D magnetic sensor
15:00	15:25	I Bolshakhova, MSL	Magnetic measuring devices to be used under extreme operating conditions

coffee break

15:55	16:15	D Evans, Triumf	Field Mapping the 'TWIST' solenoid
16:15	16:40	F Roncarolo, CERN	The LEP Spectrometer Dipole re-mapping
16:40	17:00	F Patru, CERN	Dynamic measurement with static coils & Hall Plates
17:00	17:20	B Berkes, MCS	Influence of magnetic gradient fields on the Hall Effect

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Hall Probe - Z Wolf

09:00 09:30 B Berkes, MCS Planar hall effect in the vertical hall sensor - Part II - Revised interpretation

Acquisition Equipment - A Jain

09:30 09:55 V Remondino, CERN Magnetic measurements of dipoles & quadrupoles at room temperature at the factories

09:55 10:20 H Reymond, CERN MMP6 : an object oriented toolkit to manage the magnetic measurements for the LHC magnets

coffee break

10:50 11:25 M Gateau, CERN The functionality of the Magnetic Measurement programme for rotating coils measurements

11:25 11:50 L Deniau, CERN The data analysis project of the field quality of the LHC series magnets

Alignment & Fiducialization - A Jain

11:50 12:20 M Buzio, CERN Equipment & procedures for dipole alignment measurements in LHC series tests at CERN

lunch

14:00 14:20 G Deferne, CERN A 'badger' to calibrate the axis measurement of the main LHC quadrupoles

14:20 14:40 F Patru, CERN A test bench for the warm magnetic measurements of the LHC corrector magnets in Industry

14:40 15:00 JJ Garcia Perez, CERN Final version of magnetic axis measurement device in Industry

15:00 15:25 Z Wolf, SLAC Magnetic measurements & Fiducialization of the Spear III gradient dipole magnets

coffee break

Rotating Coils - D Evans

15:55 16:25 A Jain, BNL Measurements of Field quality in Helical dipoles for RHIC

16:25 16:50 N Smirnov, CERN System for the series magnetic measurements of the LHC main quadrupoles

16:50 17:20 P Schnizer, CERN Truffaldino, a tool to simulate rotating coil magnetometers for accelerator magnets

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Insertion Devices I - J Bahrtdt

09:00	09:35	P Elleaume, ESRF	Specificity of Magnetic Measurement for Insertion Devices
09:35	10:10	J Pflueger, DESY	Magnetic Measurement techniques for the undulator system of the VUV-FEL at the TESLA test facility
10:10	10:30	D Zangrando, ELETTRA	Insertion Devices magnetic measurement facility at Sincrotrone Trieste

coffee break

11:00	11:35	J Chavanne, ESRF	Undulator & Wiggler construction at the ESRF
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Insertion Devices II - J Chavanne

11:35	12:00	A Temnykh, LNS - Cornell Univ.	Apparatus for periodic magnetic structure tuning
12:00	12:35	G Rakowsky, NSLS	Measurement of small-gap insertion devices

lunch

14:00	14:25	J Bahrtdt, BESSY	Magnetic measurements of Apple II Type undulators
14:25	14:50	A Temnykh, LNS - Cornell Univ.	Some aspects of the use of vibrating wire technique for a wiggler magnetic field measurement
14:50	15:15	O Chubar, ESRF	RADIA, a 3D magnetostatics computer code

coffee break

VISITS

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Miscellaneous - J Billan

09:00	09:15	Knud Henriksen	A homepage on magnetic measurements
09:15	09:50	RS Shinde, CAT	Development of digital electronic hysteresisgraph for DC magnetic testing of soft magnetic materials
09:50	10:15	A Jain, BNL	Use of warm magnetic measurements in locating electrical shorts in magnets
10:15	10:35	V Klioukhine, Fermilab	Measuring the magnetic field in steel using Fluxloops

coffee break

11:05	11:30	RS Shinde, CAT	A pulsed field hysteresisgraph for characterization of NdFeB magnet blocks
11:30	11:55	P Sala, CNRS	Magnet field mapping & calibration system at Grenoble high magnetic field laboratory
11:55	12:15	J Uythoven, CERN	High precision magnetic field measurements of fast pulsed magnets

lunch

Session reporting by Chairmen and last minute contributions - M Tkatchenko

14:00	14:20	L Walckiers, CERN	Overviews of magnetic measurements
14:20	14:40	Z Wolf, SLAC	Hall probe
14:40	15:00	A Jain, BNL	Acquisition equipment, alignment and fiducialization
15:00	15:20	D Evans, Triumf	Rotating coil

coffee break

15:50	16:10	J Bahrtdt, BESSY	Insertion Devices I
16:10	16:30	J Chavanne, ESRF	Insertion Devices II
16:30	16:50	J Billan, CERN	Miscellaneous