

## 9-O-3A (Superconducting Magnet)

**Chairperson: Prof. Takanobu Kiss**

Abstract ID	Presentation no	Name	Name of the Organization	Country	Title
28B	9-O-3A-IT-7	Prof. Herman Ten Kate	CERN & University of Twente	Switzerland	Superconducting Detector Magnet options for the 100 TeV Future Circular Collider
371	9-O-3A-IT-10	Prof. Qiuliang Wang	Chinese Academy of Sciences	China	Development of high magnetic field superconducting magnet for MRI
119	9-O-3A-1	Mr. Chinmay Nandi	Variable Energy Cyclotron Centre	India	Pressure transients in FAIR LEB multiplet cryostats during loss of vacuum and coil quench
150	9-O-3A-2	Dr. Christian Roux	Helmholtzzentrum Schwerionenforschung GmbH	Germany	The optimized sc dipole of SIS100 for series production
8	9-O-3A-3	Mr. Santosh Sahu	IUAC	India	Analysis of Quench initiation & its effect in the Superconducting Quadrupole Doublet at IUAC.
44	9-O-3A-4	Mr. Luc RONAYETTE	CNRS-LNCMI	France	Cryogenic system for the 43 T Hybrid Magnet at LNCMI Grenoble: from the needs to the commissioning.

## 9-O-3B (Cryocooler II)

**Chairperson: Dr Chao Wang**

221B	9-O-3B-IT-8	Cao H S	University Of Twente	Netherlands	Joule Thomson microcooling developments at the University of Twente
286	9-O-3B-IT-11	Prof. G Venkatarathnam	IIT Madras	India	Thermodynamics of mixtures used in J-T refrigerators and natural gas liquefiers
269A	9-O-3B-1	Dr. Milind Atrey	IIT Bombay	India	Numerical simulation of tubes-in-tube heat exchanger in a mixed refrigerant Joule-Thomson cryocooler

296	9-O-3B-2	Dr. Alexander Veprik	SCD	Israel	Multimode tuned dynamic absorber for split Stirling linear cryogenic refrigerator
435	9-O-3B-3	Dr. G Rodrigues	IUAC	INDIA	Performance of cryocoolers in a high temperature superconducting ECR ion source (HTS-ECR) and its application for the High Current Injector Program at IUAC, New Delhi
10A	9-O-3B-4	Mr. Anup Choudhury	IUAC	India	Study of interstage cooling for enhancement of LHe production with a GM cryocooler
<b>9-O-3C ( Instrumentation &amp; Control)</b> <b>Chairperson: Dr T S Radhakrishnan</b>					
256	9-O-3C-IT- 9	Dr. Juan Casas	CERN	Switzerland	Design of a 0-50 mbar pressure measurement channel compatible with the LHC tunnel radiation environment
186	9-O-3C-1	Mr. Torsten Boeckmann	DESY	Germany	Use of PROFIBUS for cryogenic instrumentation at DESY
408	9-O-3C-2	Mr. JOBY ANTONY	IUAC	India	Intelligent Cryogenic instruments for PLC free control & Data acquisition
35	9-O-3C-3	Dr. Benjamin Bradu	CERN	Switzerland	Beam screen cryogenic control improvements for the LHC run 2
268B	9-O-3C-4	Dr. Rajinikumar Ramalingam	Karlsruhe Institute of Technology	Germany	Numerical and experimental investigation of FBG strain response at cryogenic temperatures
374A	9-O-3C-5	Mr. Qinling ZHU	Western Superconducting Technologies Co.,Ltd.	China	A measurement system optimization design and implementation of the critical current for superconducting based on virtual instrument technology
184	9-O-3C-6	Dr. Sergiy Putselyk	DESY	Germany	Long term stability of Coriolis flow meters: DESY experience