8-O-2A (Accelerator Cryogenics)

Chairperson: Dr Ganni Rao

Abstract ID	Presentation no	NAME	Name of the Organization	Country	Title
148	8-O-2A-IT-4	Prof. Hirotaka NAKAI	KEK	Japan	Cryogenic system configuration for the International Linear Collider (ILC) at mountainous site
282	8-O-2A-1	Dr. Patxi Duthil	Institut de Physique Nuclaire d'Orsay	France	The ESS Spoke cryomodule and its test valve box
93	8-O-2A-2	Mr. Evgeniy Pyata	Budker Institute of Nuclear Physics	Russia	XFEL Linac Valve Box XLVB
242	8-O-2A-3	Dr. Alexey Koveshnikov	TRIUMF	Canada	The 1.3 GHz SRF injector cryomodule for VECC - designed and manufactured at TRIUMF
57A	8-O-2A-4	Mr. Shrikant Pattalwar	STFC Daresbury Laboratory	United Kingdom	Horizontal tests in a vertical cryostat
303	8-O-2A-5	Mr. Ronald Dekker	Demaco Holland B.V.	Netherlands	Conceptual design study of the FAIR SIS 100 transfer lines
284	8-O-2A-6	Mr. Prashant Khare	RRCAT	India	Design of horizontal test cryostat for testing two 650 mhz cavities:cryogenic considerations

8-O-2B (Superconductivity for Power)

Chairperson: Dr Roberto Zomino

328A	8-O-2B-IT-5	Dr. Alexander Usoskin	Bruker HTS GmbH	Germany	Fault current limiters and fault current switches based on wide HTS tapes: low cryo-consumption, new applications
293	8-O-2B-1	Prof. Quan Li	University of Edinburgh	UK	Characterization of Submarine Superconducting Power Cables against Partial Dysfunction

299	8-O-2B-2	Dr. Sastry Pamidi	Center for Advanced Power Systems	United States	Opportunities and challenges of using gaseous helium circulation for cooling high temperature superconducting power devices
181	8-O-2B-3	Dr. Jiuce Sun	Karlsruhe Institute of Technology	Germany	Preliminary test of the prototype modular cryostat for one single coil of a 10 MW offshore superconducting wind turbine
46	8-O-2B-4	Prof. V. Vasudeva Rao	Indian Institute of Technology, Kharagpur	India	Current Distribution Mapping in Insulated YBCO based Stabilizer-free Coated Conductor after AC over-current test for R-SFCL application
173	8-O-2B-5	Dr. Bertrand Dutoit	Ecole Polytechnique de Lausanne	Switzerland	Insulation effect on thermal stability of Coated Conductors wires in liquid nitrogen
128	8-O-2B-6	Mr. Lutz Decker	Linde Kryotechnik AG	Switzerland	Overview on cryogenic refrigeration cycles for large scale HTS applications

8-O-2C (Space Cryogenics)

Chairperson: Dr Johan Bremer

40	8-O-2C-IT-6	Dr. Peter Shirron	NASA/Goddard Space Flight Center	United States	On Orbit Operation of the ADR on the Astro-H Soft-X-ray Spectrometer Instrument
432	8-O-2C-1	Mr. Xavier M	ISRO	India	Stratification in LH2 tank caused by heat leak and warm gas
221A	8-O-2C-2	Prof. Marcel ter Brake	University of Twente	Netherlands	TRL5 vibration-free sorption-based cooler for the temperature range 15 to 30 K
330A	8-O-2C-3	Dr. PRAVEEN RS	ISRO	India	Development of Cryogenic Engine for GSLV MkIII: Technological Challenges
171	8-O-2C-4	Mr. Thierry Wiertz	Air Liquide Advanced Technologies	France	Qualification of a European Large Pulse Tube Cooler for space applications
163	8-O-2C-5	Mr. Jeswin Joseph	ISRO	India	Water-Hammer Induced Pressure Oscillation in a Cryogenic Feed Line

231A	8-O-2C-6	Prof. Yonghua Huang	Shanghai Jiao Tong University	China	Effect of pressure control range on the thermodynamic venting of liquid hydrogen in a tank with zero or normal gravity