

8-O-1A (Large Scale Cryogenics I)

Chairperson: Dr John Weisend

Abstract ID	Presentation no	Name	Name of the Organization	Country	Title
112	8-O-1A-IT-1	Mr. Peter Knudsen	Jefferson Lab	United States	Modifications to JLab 12 GeV Refrigerator and Wide Range Mix Mode Performance Testing Results
56	8-O-1A-1	Mr. Umberto Cardella	Linde Kryotechnik AG	Switzerland	Economically viable large-scale hydrogen liquefaction
321	8-O-1A-2	Mr. Emmanuel Monneret	ITER Organization	France	ITER Cryoplants Final Design and Construction
149	8-O-1A-3	Mr. Naseem Ansari	BARC	India	Development of Helium Liquefaction System at BARC, India
372	8-O-1A-4	Dr. Marion Kauschke	GSI	Germany	Progress of the FAIR Cryogenic System

8-O-1B (Cryocooler I)

Chairperson: Prof. K G Narayan Khedkar

309	8-O-1B-IT-2	Dr. Mingyao Xu	Sumitomo Heavy Industries, Ltd.	Japan	Development of tin-plated regenerator material
367	8-O-1B-1	Dr. Agnieszka Piotrowska	Wroclaw University of Technology	Poland	Adaptation of refrigeration compressors for Joule-Thomson cryocoolers fed with gas mixtures

267	8-O-1B-2	Mr. Padmanabhan	ISRO Satellite Centre	India	Studies on Phase Shifting Mechanism in Pulse tube Cryocooler
353	8-O-1B-3	Dr. YOSHIKATSU HIRATSUKA	Sumitomo Heavy Industries, Ltd.	Japan	Development of a valved non-lubricated linear compressor for compact 2K Gifford-McMahon cryocoolers
87A	08-O-1B-4	Dr. Jianying HU	Technical Institute of Physics and Chemistry, CAS	China	A method to test the performance of a regenerative cryocooler
8-O-1C (Superconducting Material I) Chairperson: Prof. Balu Balachandran					
344	8-O-1C-IT-3	Dr. Wilfried Goldacker	Karlsruhe Institute of Technology	Germany	High current low AC loss HTS cable systems, an overlook and comparison of the concepts
362	8-O-1C-1	Dr. Jianfeng Li	Western Superconducting Technologies Co.,Ltd.	China	Overview of the Strands Production for ITER in WST
64	8-O-1C-2	Dr. Veer Awana	National Physical Laboratory,	India	Novel BiS2-based Superconductivity
200A	8-O-1C-3	Prof. Tetiana Prikhna	Institute for Superhard Materials of the National Academy of Sciences	Ukraine	Oxygen containing MgB2 materials with high superconductive performance
376	8-O-1C-4	Dr. Victor Manuel	Karlsruhe Institute of Technology	Germany	Effect of Ic homogeneity of tapes and strand misalignment on Robel cables critical current and AC losses