

Abstract ID	Presentation	Name	Name of the Organization	Country	Title
Poster Session: Large scale cryogenics I & Accelerator Cryogenics I Chairperson: Mr. Klus Ohlig & Mr. Shrikant Pattalwar					
63	8-P1-1	Mr. Ashish Sam	Indian Institute of Technology Kharagpur	India	Effect of trailing edge thickness on the performance of a helium turboexpander used in cryogenic refrigeration and liquefaction cycles
74B	8-P1-2	Mr. Longhui Zou	Technical Institute of Physics and Chemistry	China	Cryogenic adsorber design in large scale cryogenic engineering
74A	8-P1-3	Mr. Longhui Zou	Technical Institute of Physics and Chemistry	China	Investigation of breakthrough curve of 10K cryogenic adsorber in helium refrigerator
81	8-P1-4	Mr. Naveen Kumar	Bhabha Atomic Research Centre	India	Development of aerostatic bearing solutions for high-speed cryogenic turboexpanders
82	8-P1-5	Mr. Mohananand Jadhav	Bhabha Atomic Research Centre (BARC)	India	Theoretical study on the efficacy of the cold compressor based cryogenic cycles
104	8-P1-6	Ms. Wang Huirong	Technical Institute of Physics and Chemistry, CAS	China	A thermodynamic analysis of helium liquefier for optimization
105	8-P1-7	Mr. Rajendran.S Menon	BARC Trombay	India	Development of a transferline connecting a helium liquefier cold box and a liquid helium Dewar

106	8-P1-8	Mr. Satish Bharti	BARC	India	Development of facility for testing of cryogenic turboexpanders of different capacities
108	8-P1-9	Mr. SARUN KOCHUNNI	Indian Institute of Technology, Kharagpur	India	Comparison between Claude and reverse Brayton refrigeration cycles for LNG boil-off gas reliquefaction system based on exergy analysis
109	8-P1-10	Mr. JUBIL JOY	Indian Institute of Technology Kharagpur	India	Evaluating alternative designs of LNG regasification system and adapting them for reduced load condition
117	8-P1-11	Mr. Geet Jain	I.E.T	India	Flow mal-distribution study in cryogenic counter-flow plate fin heat exchangers
122	8-P1-12	Mr. PRATIK TAGADE	Indian Institute of Technology Kharagpur	India	Dynamic simulation of multistream plate fin heat exchangers of an LNG boil-off gas reliquefaction system
123	8-P1-13	Mr. ROHIT SINGLA	IIT Kharagpur	India	Mitigation of increased specific power consumption in cryogenic air separation unit at reduced oxygen production
139	8-P1-14	Mr. Rajvir Doohan	RR Center For Advanced Technology	India	Capacity enhancement of indigenously design and developed expansion engine based helium liquefier
30	8-P1-15	Mr. Tao Jin	Institute of Modern Physics, Chinese Academy of Science	China	The operation of ADS injector II cryogenic system in IMP of CAS
170	8-P1-16	Mr. Marcel Klaus	Technische Universitaet Dresden	Germany	The Cryogenic Moderator System for the European Spallation Source

96	8-P1-17	Mr. Hsing-Chieh Li	National Synchrotron Radiation Research Center	Taiwan	The Redundant Compressor System for Helium Cryogenic Plant at TPS
177	8-P1-18	Mr. RAJESH SACHAN	BHABHA ATOMIC RESEARCH CENTRE	India	Manufacturing Experiences of a Cryo Module Test System for International Linear Accelerator Collider Programme
178A	8-P1-19	Dr. Jaroslaw Fydrych	European Spallation Source ERIC	Sweden	Numerical analysis of temperature stratification in a sub-atmospheric cold helium line
179	8-P1-20	Mr. Javed Akhter	Variable Energy Cyclotron Center	India	Characterization of cryosorption properties and reactivation properties of Activated Charcoal Cloth
187	8-P1-21	Mr. Claudio Kotnig	CERN	Switzerland	Investigation and performance assessment of hydraulic schemes for the beam screen cooling for the Future Circular Collider of hadron beams
Poster Session: Cryocooler I Chairperson: Dr. Peter Shirron & Prof. Venkatratnam					
21	8-P1-22	Mr. Amit Jomde	Sathyabama University	India	Parametric analysis of linear compressor using mathematical simulator
23	8-P1-23	Mr. Srikanth Thota	ISRO Satellite Centre	India	Design of High Frequency Pulse Tube Cryocooler for Onboard Space Applications
27	8-P1-24	Mr. Derick Abraham	National Institute of Technology Calicut	India	Development of inertance type pulse tube cryocooler without a reservoir

29B	8-P1-25	Prof. Maoqiong Gong	Key Laboratory of Cryogenics, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences	China	Development and test of a miniature nitrogen liquefier with a capacity of 10 L/h
38	8-P1-26	Dr. Yuexue Ma	Technical Institute of Physics and Chemistry, Chinese Academy of Sciences	China	Experimental research on a hybrid 4.5K J-T cryocooler for space application
39	8-P1-27	Mr. SUDEEP GUPTA	IIT KHARAGPUR	India	Cycle design of reverse brayton cryocooler for hts cable cooling using exergy analysis
41	8-P1-28	Mr. Rajendra Kumar	LOVELY PROFESSIONAL UNIVERSITY	India	Pulse-tube refrigeration with magnetic regenerators: A novel model and analysis
51	8-P1-29	Mr. Vineed Narayanan	Indian Institute of Technology Madras	India	Experimental Investigation of Mixed Refrigerant Cryocooler operating less than 70 K for cooling High Temperature Superconductors.
59	8-P1-30	Mr. Kranthi Jonnalagadda	IISc	India	Studies on the development and efficiency improvement of a 1.5 W at 25 K two stage pulse tube cooler
61	8-P1-31	Mr. Liang Menglin	Technical Institute of Physics and Chemistry, Chinese Academy of Sciences	China	Simulation of Inertial tube based on Lagrange method
68	8-P1-32	Mr. ABHAY GOUR	INDIAN INSTITUTE OF SCIENCE	India	Experimental studies on twin PTC's driven by dual piston head linear compressor

69	8-P1-33	Mr. VIVEK G A	I-Design Engineering Solutions Ltd	India	Helium gas liquefaction system using a two stage GM Cryocooler
70	8-P1-35	Dr. Jinze Li	TIPC, CAS	China	Impact of varying acceleration to the performance of stirling-type pulse tube cryocooler
98	8-P1-36	Dr. Subrata Ghosh	Indian School of Mines, Dhnabad	India	Development of Cryogenic Pulse Tube Refrigerator
73	8-P1-37	Dr. Jinze Li	Technical Institute of Physics and Chemistry, Chinese Academy of Sciences	China	Impact of varying acceleration to the performance of stirling-type pulse tube cryocooler
87B	8-P1-38	Dr. Jianying Hu	Technical Institute of Physics and Chemistry, CAS	China	A three-stage thermoacoustically driven power-recovered pulse tube cryocooler system
62	8-P1-39	Mr. Rajesh V R	Amrita Vishwa Vidyapeetham University	India	Comparative Study and Electromagnetic Analysis of a Moving Magnet Linear Motor for a Stirling Cryocooler
Poster Session: Heat Transfer I & Thermophysical Properties Chairperson: Prof. Partho Ghosh					
300B	8-P1-40	Dr. Upendra Behera	Indian Institute of Science	India	Design, development and experimental studies on stainless steel flexible transfer lines

1	8-P1-41	Mr. Soumen Kar	Inter-University Accelerator Centre	India	Helium exchange gas based variable temperature insert for cryogen-free magnet system
18	8-P1-42	Dr. Reby Roy	TKM College of Engineering, Kollam	India	Numerical investigations on the effect of slenderness ratio of matrix elements in cryogenic chill down process.
19A	8-P1-43	Dr. jian mou	Technical Institute of Physics and Chemistry, CAS	China	A numerical model on thermodynamic analysis of alpha type free-piston Stirling engine
33	8-P1-44	Mr. Ogun Dikici	Ege University	Turkey	Effective Temperature Stability Control for High Temperature Superconducting Bolometer Array Measurements
60	8-P1-45	Mr. GV G.V.	INDIAN INSTITUTE OF SCIENCE	India	Experimental and analytical studies on a foam insulated rigid type transfer line for use with liquid nitrogen
71	8-P1-46	Dr. Xueliang Li	Key Laboratory of Space Energy Conversion Technology, Technical Institute of Physics and Chemistry, Chinese	China	Experimental research on heat transfer coefficient for micro-sized internally finned heat exchanger
78	8-P1-47	Mr. ABHILASH CHAKRAVARTY	Bhabha Atomic Research Center, Mumbai	India	Numerical and experimental investigations of transient behaviour of compact plate fin heat exchanger
80A	8-P1-48	Mr. Zheng Jianpeng	Key Laboratory of Cryogenics, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences	China	Experimental study on the insulation performance of SOFI and MLI in liquid oxygen on orbit storage

89	8-P1-49	Dr. Robin Langebach	Dresden University of Technology	Germany	Radiative heat transfer estimation in pipes with various wall emissivities
80B	8-P1-50	Mr. Zheng Jianpeng	TIPC , Chinese Academy of Sciences	China	Numerical simulation and experimental study of gas liquid separator for cryogenic fluid transportation
269B	8-P1-51	Dr. Milind Atrey	IIT Bombay	India	Construction of Joule Thomson inversion curves for mixtures using equations of state
410	8-P1-52	Ms. Kumari neelam verma	Lovely professional university	India	Feasibility Studies on the Thermophysical Properties of Cryogen Based Nanofluids to be used in MRI applications
Poster Session: Superconducting magnet I & RF-Superconductivity Chairperson: Mr. Subimal Saha					
333	8-P1-53	Prof. Tetsuo Oka	Niigata University, Faculty of Engineering	Japan	Magnetic flux invasion in HTS bulk magnets with varying the shapes of remaining flux distributions in multiple-PFM processes
52	8-P1-54	Mr. Jedidiah Pradhan	Variable Energy Cyclotron Centre	India	Design and Development of Cryogen Free Cryogenic Test set-up
94	8-P1-55	Dr. Zhang Hengcheng	TIPC , Chinese Academy of Sciences	China	Numerical simulation analysis of superconducting magnet system
134	8-P1-56	Mr. PANKAJ KUMAR	VARIABLE ENERGY CYCLOTRON CENTRE	India	Stress and safety analysis of 9T superconducting solenoid magnet for RIB facility

158B	8-P1-57	Dr. Akhdiyov Sattarov	Texas A&M University	United States	Two optimizations of the dipoles for a 100 TeV hadron collider
189	8-P1-58	Mr. Raja Sekhar Dondapati	Lovely Professional University	India	Parametric Analysis of Heat Transfer Rate in dual channel Cable-in-Conduit-Conductors (CICCs) used for Fusion Grade Magnets
247	8-P1-59	Mr. Sundeep Ghosh	Variable Energy Cyclotron Centre	India	Quench analysis of a novel compact superconducting cyclotron
307A	8-P1-60	Dr. Davide Uglietti	EPFL - SPC	Switzerland	Experimental study of the protection of HTS non-insulated inserts against quench of the outer magnet
57B	8-P1-61	Mr. Shrikant Pattalwar	STFC Daresbury Laboratory	United Kingdom	An Experimental Cryostat for Measuring Surface Resistance of SRF Coated Cavities
226	8-P1-62	Mr. Ninad Pattalwar	STFC Daresbury Laboratory	United Kingdom	Experimental Cryostat for Measuring Field Penetration Through S-I-S Multilayer
Poster Session: Instrumentation & Control I Chairperson: Dr. Juan Casas					
25	8-P1-63	Mr. K V SRINIVASAN	TATA INSTITUTE OF FUNDAMENTAL RESEARCH	India	Calibration of temperature sensors for BARC, Mumbai using in-house developed magneto-resistance setup at TIFR, Mumbai
26B	8-P1-64	Mr. Ram Dhuley	Florida State University	United States	Demountable thermometer epoxy encapsulates for measuring temperature of heat transfer surfaces in liquid helium

54	8-P1-65	Mr. Nico Dittmar	Technische Universitaet Dresden	Germany	Thermohydraulic modelling of a transfer line for continuous flow cryostats
75	8-P1-66	Mr. ANAND YADAV	RRCAT,Indore	India	Detection of quench location in 1.3 GHz single cell SCRF Cavity during cold testing in LHe bath at 2K
121	8-P1-67	Mr. Umashankar Panda	Variable Energy Cyclotron Centre	India	Process Control Migration of 50 LPH Helium Liquefier
135	8-P1-68	Mr. Pankaj Sagar	Centre for Cryogenic Technology, IISc Bangalore	India	Measurement of thin film superconducting parameters using planar transformers
178B	8-P1-69	Dr. Jaroslaw Fydrych	European Spallation Source ERIC	Sweden	Heat transfer resistances in the measurements of cold helium vapor temperature in a subatmospheric process line
190	8-P1-70	Mr. Jean MANZAGOL	CEA GRENOBLE - INAC/SBT	France	Cryogenic Instrumentations for ITER Magnets
193	8-P1-71	Mr. Vladislav Benda	CERN	Switzerland	Long term experience with the industrial 3He vapour-pressure thermometer
427	8-P1-73	Mr. Alexander Germer	Technical University of Dresden, Institute of Power Engineering,Cryogenics and Compressor Technology	Germany	A test rig for analysis of adhesive tapes at 4 K cryogenic temperature

Poster Session: NMR, Purification & Cryostat Design

Chairperson: Prof. Kasthuriengan

192	8-P1-74	Mr. BOULEAU Eric	CEA GRENOBLE	France	Ultra Low temperature Nuclear Magnetic Resonance (NMR)
19B	8-P1-75	Dr. jian mou	Technical Institute of Physics and Chemistry, CAS	China	Multi-objective optimization for free piston Stirling engines based on the dimensionless power
43	8-P1-76	Dr. Junjie Li	High Magnetic Field Laboratory, Chinese Academy of Sciences	China	Helium recovery and purification at CHMFL
66	8-P1-77	Mr. suraj ghiwe	rajiv gandhi institute of technology	India	analysis on effect of temperature on moisture separation in air compressor
91	8-P1-78	Mr. Bidhan Mandal	Variable Energy Cyclotron Centre	India	Conceptual design of 4He film suppressor in Still of Dilution Refrigerator
110	8-P1-79	Mr. NILESHA JAGTAP	Tata institute of fundamental research	India	High pressure high flow helium purification system
120	8-P1-80	Mrs. Meifen Wang	IHEP, Chinese Academy of Sciences	China	The conceptual design of a zero boil-off LAr system for CDEX-10 experiment
127	8-P1-81	Mr. Jeongmin Cha	KAIST	Korea, South	Feasibility test of cryogenic free-piston expander utilizing magnetic brake
140	8-P1-82	Prof. Dong Xia	Institute of Electrical Engineering, Chinese Academy of Sciences	China	Research on characteristics of damping and shielding system of superconducting electrical machines
166	8-P1-83	Mr. Jian Li	Technical Institute of Physics and Chemistry, Chinese Academy of Sciences	China	Design of a 1.8 K superfluid helium system with a G-M cryocooler

Poster Session: Superconducting Material I

Chairperson: Prof. Venkat Selvamanickam & Dr. Qiuliang Wang

28A	8-P1-84	Prof. Herman Ten Kate	CERN & University of Twente	Switzerland	ReBCO-CORC based high current Cable-in-Conduit Conductors
36	8-P1-85	Mr. Uttam Bhunia	Variable Energy Cyclotron Centre	India	Transient stability of Nb-Ti Rutherford cables for energy storage magnet application
200B	8-P1-86	Prof. Tetiana Prikhna	Institute for Superhard Materials of the National Academy of Sciences of Ukraine	Ukraine	MgB ₂ -based superconductors for fault current limiters
199	8-P1-87	Prof. Mohammed Shahabuddin	King Saud University	Saudi Arabia	Correlation between grain connectivity, packing density, and critical current density in MgB ₂ synthesized by in situ/ex situ combination technique
92	8-P1-88	Mr. Vipendra Khare	Variable Energy Cyclotron centre	India	Joint development and testing of Rutherford NbTi cable for SMES coil
113	8-P1-89	Dr. Yuqiang Zhao	Technical Institute of Physics and Chemistry, Chinese Academy of Sciences	China	Abnormal thermal expansion and correlative magnetic properties in NaZn ₁₃ -type La(Fe _{1-x} Cox) _{11.4} Al _{1.6} compounds
114	8-P1-90	Dr. Dhruvananda Behera	NIT Rourkela	India	Effect of low energy ion beam irradiation for pinning of vortices in YBCO/LSMO thick films
162	8-P1-91	Mr. Pankaj Maheshwari	National Physical Laboratory	India	Phase Diagram of FeTe _{1-x} Se _x (0.0 ≤ x ≤ 0.50) Single Crystals

165	8-P1-92	Ms. Reena Goyal	CSIR-National Physical Laboratory	India	Superconductivity at 5.5 K in Nb ₂ PdSe ₅ compound
174	8-P1-93	Mr. Shaopeng Li	Technical Institute of Physics and Chemistry, Chinese Academy of Sciences	China	The effect of interstitial atoms on the negative thermal expansion property of cubic and tetragonal structure coexisted La(Fe,Si) ₁₃ compounds
176	8-P1-94	Dr. L.S. Vaidhyanathan	Indira Gandhi Center for Atomic Research	India	Superconductivity in Cr-Nb-Cr thin films
196	8-P1-95	Mr. Daniel Chavez	Texas A&M University - Universidad de Guanajuato	United States	NbTi cable-in-conduit and its applications for new collider magnet requirements
204	8-P1-96	Ms. Xinran Shan	Technical Institute of Physics and Chemistry, Chinese Academy of Sciences	China	Preparation and Property Study of Graphene Oxide Reinforced Epoxy Resin Insulation Nanocomposites with High Heat Conductivity
205	8-P1-97	Mr. Ningxiang Tong	Technical Institute of Physics and Chemistry	China	The effect of thermocycling treatment on the cryogenic properties of AISI 4340 steel
218	8-P1-98	Prof. Ouyang Zhengrong	xieyu	China	Experimental studies of diffusion welding of YBCO to copper using solder layers

Abstract ID	Presentation	NAME	Name of the Organization	Country	Title
Poster Session: Large scale cryogenics II & Accelerator Cryogenics II Chairperson: Prof. Hirotaka Nakai & Prof. Tetsua Oka					
152	9-P2-99	Mr. PRADIP PANCHAL	INSTITUTE FOR PLASMA RESEARCH	India	Process optimization of helium cryo plant operation for SST-1 superconducting magnet system
161	9-P2-100	Mr. Jitendra kumar	Bhabha Atomic Research Centre, India	India	Helium Refrigeration System for Hydrogen Liquefaction Applications
167	9-P2-101	Mr. BHIKHALAL SONANI	DR .S& S S GHANDHY COLLEGE OF ENGINEERING	India	Effect of Compressor Inlet Temperature & Relative Humidity on Air Liquefaction Cycle Performance
169	9-P2-102	Mr. Ashish Shukla	RRCAT	India	Cold box Vessel Design for Medium Scale Helium Liquefaction system
185	9-P2-103	Dr. Vitaliano Inglese	CERN	Switzerland	Commissioning results of CERN HIE-ISOLDE and INFN ALPI cryogenic control systems
238	9-P2-104	Mr. Linglong Lei	Technical Institute of Physics and Chemistry,CAS	China	Study of a multi-strategy controller on a helium liquefier
239A	9-P2-105	Dr. Jing LI	Technical Institute of Physics and Chemistry,CAS	China	Development of a Simulator for a 10kW@20K Helium Refrigerator Based on Siemens PLC S7-300
240	9-P2-106	Dr. Chul Jin Choi	Institute for Basic Science	Korea, South	Technical design of helium cryogenic plant and operation modes for SCL3 linac of RAON

243	9-P2-107	Mr. Yanrong Meng	University of Chinese Academy of Science	China	Optimization Design of a Small High-speed Radial-axial Flow Cryogenic Turbo-expander Impeller
259	9-P2-108	Mr. Olivier Pirotte	CERN	Switzerland	The consolidation programs of the cryogenic systems of the ATLAS and CMS experiments
261	9-P2-109	Dr. Wensheng Lin	Shanghai Jiao Tong University	China	Study on cold energy utilization at LCNG fueling stations
272	9-P2-110	Prof. SURAJ BEHERA	NIT Rourkela	India	A methodology for fabrication of 2nd generation gas foil thrust and journal bearing for turboexpander used in nitrogen liquefier
194	9-P2-111	Mr. Andrew Lees	CERN	Switzerland	Design and Optimisation of Low Heat Load Liquid Helium Cryostat to House Cryogenic Current Comparator in Antiproton Decelerator
219	9-P2-112	Mr. Sungwoon Yoon	Institute for Basic Science	Korea, South	Installation and commissioning of the 2K-system for the SRF test facility
252	9-P2-113	Mr. KI WOONG LEE	Institute for Basic Science	Korea, South	Thermal analysis of helium distribution system for the heavy ion accelerator (RAON)
253	9-P2-114	Mr. Siddhartha Ghosh	Variable Energy Cyclotron Centre	India	Analysis of flow parameter of cryogenic delivery system of superconducting electron linac
258	9-P2-115	Mr. Jaehee Shin	IBS(Institute for Basic Science)	Korea, South	Construction Status of a Cryogenic System for Testing Superconducting Cavities and Cryomodules of RAON

270	9-P2-116	Mr. Hemant Patel	Raja ramanna center for advance technology	India	Design of Movable Shield for the Vertical Test Stand Cryostat
271	9-P2-117	Mr. Anupam Sinha	BARC	India	Design and Development of Cryo-Module Test System For 1.3 GHz LCLS-II Cryomodule
313B	9-P2-118	Prof. Ralf Eichhorn	Cornell University	United States	Optimizing cryogenic parallel, single phase flows: an analytical approach
319	9-P2-119	Dr. Eric Smith	CLASSE, Cornell University	United States	Heat Exchanger Can Assembly for Provision of Helium Coolant Streams for Cryomodule Testing below 2K
Poster Session: Cryogenics for Fusion I & Space Cyogenics I Chairperson: Dr. Christian Hoa & Dr. V. Narayanan					
45	9-P2-120	Mr. RAKESHKUMAR PATEL	INSTITUTE FOR PLASMA RESEARCH	India	Installation and Commissioning of 80 K Liquid Nitrogen Booster System for SST-1
83	9-P2-121	Mr. Dikens Christian	Institute for Plasma Research	India	Operation and Maintenance Experience of Helium Compressor Motor for 1.3kW HRL Plant
84	9-P2-122	Mr. Gaurang Mahesuria	Institute for Plasma Research	India	Pump Characterization of 80 K Liquid Nitrogen Booster System for SST-1
85	9-P2-123	Mr. Atul Garg	Institute for Plasma Research	India	Performance of Superconducting Current Feeder System for SST-1
97	9-P2-124	Mr. Samiran Mukherjee	Institute for Plasma Research	India	CFD based thermo-hydraulic analysis of hydroformed cryopanel for liquid helium flow
283	9-P2-126	Dr. Jyoti shankar Mishra	Institute for plasma research	India	System for Adsorption Isotherm Studies of Porous Carbon Materials Down To 4.5 K

24	9-P2-127	Mrs. Geetha Sen	LPSC, ISRO	India	Design of equipment for cryotreatment of APX-4
58	9-P2-128	Mr. SUBRAHMANYA Mr.	ISRO Satellite Centre	India	On-orbit thermal performance of Imager cooler developed for INSAT-3D spacecraft
86	9-P2-129	Mr. Jayachandran K N	IIT Kharagpur	India	Numerical investigations on unstable direct contact condensation of cryogenic fluids
99	9-P2-130	Ms. Tisha Dixit	IIT Kharagpur	India	Prospective of employing high porosity open-cell metal foams in passive cryogenic radiators for space applications
102	9-P2-131	Mr. Xin Li	Technical Institute of Physics and Chemistry, CAS	China	Investigation of an adsorption refrigeration model with correlative experiments
103	9-P2-132	Prof. Pavitra Sandilya	Indian Institute of Technology Kharagpur	India	One-dimensional CFD analysis of subcooling of a cryogenic liquid by gas bubbling
125	9-P2-133	Mr. Arpit Mishra	Indian Institute of Technology Kharagpur	India	Effect of leading edge sweep on the performance of cavitating inducer of LOX booster turbopump used in semicryogenic engine
300A	9-P2-134	Dr. Upendra Behera	Indian Institute of Science	India	Studies on vortex tubes for cryogenic application

Poster Session: Cryocooler II

Chairperson: Prof. M.D. Atrey

132	9-P2-135	Dr. Parthasarathi Ghosh	Indian Institute of Technology Kharagpur	India	Performance analysis of cryocoolers based on reverse Brayton cycle and its modifications for cooling HTS devices
136	9-P2-136	Prof. Junjie Wang	Technical Institute of Physics and Chemistry, CAS	China	Numerical investigation of multi-bypass type pulse tube cryocooler
137	9-P2-137	Prof. Shridhar Bapat	Indian Institute of Technology Bombay	India	Design analysis of a Helium recondenser
144	9-P2-138	Mr. Si Liu	Technical Institute of Physics and Chemistry CAS	China	Studies of phase shifter on a precooling type pulse tube cryocooler
145	9-P2-139	Mr. Wu xianlin	Technical Institute of Physics and Chemistry CAS	China	Numerical simulation of a 5W/40K Stirling-type pulse tube cryocooler
210	9-P2-140	Mr. Kong Chunhui	Technical Institute of Physics and Chemistry CAS	China	A 20 K phase change unit integrating with pulse tube cryocoolers
211	9-P2-141	Mr. MD ZAMAL NASER	Variable Energy Cyclotron Centre	India	Design and analysis of helical concentric heat exchanger for dilution fridge
212	9-P2-142	Mr. HIRAKLAL CHAKRABORTY	NATIONAL INSTITUTE OF TECHNOLOGY CALICUT	India	Modeling and analysis of Joule-Thomson System
225	9-P2-143	Mr. Kishor Kumar V V	Government College of Engineering Kannur	India	Hydrodynamic parameters of regenerator of a miniature stirling cryocooler
232	9-P2-144	Mr. Siva Krishna	NIT CALICUT	India	Thermodynamic Analysis of Free Piston Stirling Cryocooler Including Regenerator Dead Volume

233	9-P2-145	Mr. ARJUN M S	NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT	India	Dynamic and thermodynamic analysis of stirling cryocooler
Poster Session: Heat Transfer II Chairperson: Dr. Jaraslaw Fydrych					
100	9-P2-146	Dr. Liao Wun-Rong	National Synchrotron Radiation Research Center, Taiwan	Taiwan	Development of separator cooling system for helium
111	9-P2-147	Prof. Steven Van Sciver	Florida State University	United States	Measurement of the apparent thermal conductivity of multi-layer insulation (MLI) for variable boundary temperatures
118	9-P2-148	Mr. Guochao Feng	TIPC, Chinese Academy of Science	China	Numerical Simulation of Heat Transfer for Wall-type and Fin-type Heat Exchanger
131	9-P2-149	Mrs. Dong Xu	TIPC, Chinese Academy of Science	China	Theoretical analysis of start-up power in helium pulsating heat pipe
141	9-P2-150	Dr. Sandip Pal	VEC Centre	India	Numerical simulation of plate-fin heat exchanger for helium liquefier and its validation at VECC
147	9-P2-151	Dr. Shine S R	Indian Institute of Space Science and Technology	India	Investigations on two phase cryogenic chill-down process
154	9-P2-152	Mrs. MANJUSA JENA	DEPARTMENT OF PHYSICS, UTKAL UNIVERSITY	India	Magnetohydrodynamic Couette flow of a non-Newtonian fluid in a rotating system with heat transfer
157	9-P2-153	Mr. Chuang Ping Shun	National Synchrotron Radiation Research Center, Taiwan	Taiwan	Development of Multi-Channel Line for NSRRC Cryogenic System

224	9-P2-154	Dr. Tapas Nandi	Indian Institute of Technology, Kharagpur	India	Heat transfer and flow friction correlations for perforated plate matrix heat exchangers
Poster Session: Superconductivity for Power I Chairperson: Dr. Sastri Pamidy					
101	9-P2-155	Ms. IPSITA DAS	IIT KHARAGPUR	India	Design Procedure for 220kV-3kA, 200m High Temperature Superconducting power cable
107	9-P2-156	Mrs. Poulomi Brahmachery	Indian Institute of Technology	India	Optimum Configuration of HTS SMES coil for Maximum energy storage
115	9-P2-157	Mr. Anirban De	Variable Energy Cyclotron Centre/DAE	India	Design, development and testing of a 0.6MJ/3.4kW Prototype Superconducting Magnetic Energy Storage System based Dynamic
124	9-P2-158	Mr. Taichi Nishihara	Meisei University	Japan	Analysis of FCL effect caused by superconducting DC cable for railway system under short circuit
138	9-P2-159	Mr. Sudheer Thadela	Indian Institute of Technology	India	Studies on Polypropylene Laminated Paper (PPLP) for High T _c Superconducting Power Cables
206B	9-P2-160	Dr. Hirofumi Watanabe	Chubu University	Japan	Critical current measurement for design of HTS DC power cables
206A	9-P2-161	Dr. Hirofumi Watanabe	Chubu University	Japan	Cooling test of the 500 m class superconducting DC power transmission system

214	9-P2-162	Mr. Venkata Ramana Uppada	Lovely Professional university	India	Parametric Analysis of AC losses in 765 kV/1B kA in High Temperature Superconducting (HTS) cables for High Voltage transmission
215	9-P2-163	Mr. Gadekula Rajesh Kumar	Lovely Professional University	India	Analytical and Computational Investigation on Cooling Strategies of Cold Dielectric Type HTS cables
407	9-P2-164	Mr. Abhijit Dayal Raj	Lovely professional univercity	India	Friction factor correlation developed for turbulent flow in corrugated pipe used in High Temperature superconducting cables
Poster Session: Energy Storage, Superfluidity, Reliability & Analysis Chairperson: Prof. kanchan Chowdhury					
175	9-P2-165	Mr. Ankit Jain	Bhabha Atomic Research Centre	India	Studies on steady state and transient response of floating pad journal bearing for high speed cryogenic turboexpanders
183	9-P2-166	Dr. Friedrich Haug	CERN	Switzerland	A small scale remote cooling system for a sc cyclotron magnet
203	9-P2-167	Ms. Fuzhi Shen	TIPC, Chinese Academy of Science	China	Cryogenic Adsorption of Helium-Based Gas Mixture on Activated Carbon
227	9-P2-169	Prof. Junjie Wang	TIPC, Chinese Academy of Science	China	Performance analysis of liquid air energy storage utilizing LNG cold energy
229	9-P2-170	Dr. Junjie Wang	TIPC, Chinese Academy of Science	China	Theoretical analysis of compressor on liquid air energy storage

239B	9-P2-172	Dr. Jing LI	TIPC, Chinese Academy of Science	China	Reliability and Availability Analysis of a 10kW@20K Helium Refrigerator
265	9-P2-173	Mr. SANDEEP SINGH	VARIABLE ENERGY CYCLOTRON CENTRE	India	Flow analysis of a Joule Thomson valve for producing 2K superfluid helium from 3K liquid helium
Poster Session: Superconducting Material II Chairperson: Prof. Tetiana Prikhna					
223	9-P2-174	Dr. DINESH TRIPATHI	Galgotias University	India	The effect of Co-current doping of nanoscale carbon and Aluminium Nitride on superconducting properties of bulk MgB ₂ superconductors
245	9-P2-175	Mr. RADHIKESH NAIR	INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH	India	Magneto-Transport and Magnetization studies of the Superconducting system Nd _{1.85} CeO _{0.5} CuO ₄ + xAg (x=0, 10 wt %)
249	9-P2-176	Mr. D.S. Nadig	CENTRE FOR CRYOGENIC TECHNOLOGY, IIScBANGALORE	India	Effects of cryogenic treatment on the wear properties of automobile disc brakes
251	9-P2-177	Mr. Rajiv Sharma	Institute for Plasma Research	India	Development of indigenous insulation material for superconducting magnets and study of its characteristics under influence of intense neutron irradiation
273	9-P2-178	Dr. Anurag Gupta	National Physical Laboratory	India	Effect of σ - and π - band modification on the normal and superconducting state properties of bulk MgB ₂ .

274	9-P2-179	Mr. Wilco van de Camp	University of Twente	Netherlands	Transverse crack initiation under combined thermal and mechanical loading of Fibre Metal Laminates and Glass Fibre Reinforced Polymers
297A	9-P2-180	Prof. Abdelhakim Nafidi	University Ibn Zohr	Morocco	Influence of the design parameters and temperature on bands structure and magneto-transport properties in semimetallic two-dimensional InAs/GaSb far-infrared detector
288	9-P2-181	Dr. MARUTI KHOT	WALCHAND COLLEGE OF ENGINEERING SANGLI	India	Flexure bearing for miniature linear compressor
307B	9-P2-182	Dr. Davide Uglietti	EPFL - SPC	Switzerland	Hoop stress measurements on BSCCO tape reinforced with carbon fibre
323B	9-P2-183	Mr. Upendra Prasad	Institute For Plasma Research	India	The validation tests of fusion grade superconductors
328B	9-P2-184	Dr. Alexander Usoskin	Bruker HTS GmbH	Germany	Long length HTS coated conductors with double disordered YBCO for high field applications
330B	9-P2-185	Dr. PRAVEEN RS	INDIAN SPACE RESEARCH ORGANIZATION	India	Investigation on Composite Throat Insert For Cryogenic Engines

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403	10-P3-186	Mr. A Mishra	Institute for Plasma Research	India	Optimization process parametres of heat exchnagers & turbiness for helium Liquefier/Refrigerator
426	10-P3-187	Mr. A K Sahu	IPR	India	Designof 2-stream (He-He-He) compact plate fin heat exchanger for helium plant
291	10-P3-188	Mr. Vivek Nema	Raja Ramanna Centre for Advanced Technology	India	Study of tube and tube heat exchanger for Helium purification
306B	10-P3-189	Dr. Francois BONNE	CEA/SBT	France	Modelling and Model-Based-Designed PID Control of the JT-60SA Cryogenic System Using the simCryogenics Library
317	10-P3-190	Dr. Hyun-Sik CHANG	ITER	France	Status of the ITER Cryodistribution Design
419	10-P3-191	Ms. NIKITA GUPTA	INSTITUTE FOR PLASMA RESEARCH	India	Design and analysis of air screw compressor for helium gas compression
318	10-P3-192	Mr. Eric FAUVE	ITER Organization	France	ITER Cryoplants Infrastructures
409	10-P3-193	Mr. Sourabh Jogee	Institute For Plasma Research	India	Design of Expansion Wheel with backward swept blade for Low temperature Helium Expansion Turbine and CFD Analysis result.
335	10-P3-194	Mr. Steffen Kloeppeel	TU Dresden	Germany	Mixed refrigerant cycle with neon, hydrogen and helium for the cooling of MgB2 power transmission lines

341	10-P3-195	Mr. Bharatbhushan Kamble	National Institute of Technology Calicut	India	Development of spiral tube heat exchanger for refrigeration applications
345	10-P3-196	Prof. Lianyou Xiong	TIPC, Chinese Academy of Sciences	China	Helium extraction and nitrogen removal from LNG boil-off gas
365	10-P3-197	Mr. Divyang Bohra	Institute For Plasma Research	India	Effect of charcoal Particle and Bed size for design of helium gas purification system at 20 K for Helium Plant
395	10-P3-198	Ms. yama joshi	Institute For Plasma Research	India	Design and development of Instrumentation and control system hardware and software modules for the cryogenic test facility
420	10-P3-199	Mr. Ronak Shah	Institute for Plasma Research	India	Design and CFD analysis of Compressor brake wheel for Low Temperature Helium Expansion Turbine.
329A	10-P3-200	Dr. Rui Ge	Institute of High Energy Physics, CAS	China	Cryogenic system for CADS injector I
342	10-P3-201	Mr. Pawel Duda	Wroclaw University of Technology	Poland	Design, optimization and operational parameters of multichannel cryogenic transfer line for XFEL AMTF
346	10-P3-202	Mr. Yung Yu	NSRRC	Taiwan	Design a Cryogenic system for Wavelength Shifter at NSRRC
364	10-P3-203	Mr. Czeslaw Fluder	CERN	Switzerland	The control systems for ATLAS and CMS cryogenics - main consolidations and improvements
382	10-P3-204	Dr. Ziemowit Malecha	Wroclaw University of Technology	Poland	The numerical evaluation of safety valve size in the pipelines of cryogenic installations

402	10-P3-205	Dr. Kota Nakanishi	High Energy Accelerator Research Organization (KEK)	Japan	Control systems for the 2K cryogenic systems at KEK-STF and KEK-cERL
418	10-P3-206	Dr. Yu Xiang	GSI Helmholtzzentrum für Schwerionenforschung GmbH	Germany	Cryogenic supply for Super-FRS at FAIR
423	10-P3-207	Dr. Holger Kollmus	GSI Helmholtzzentrum für Schwerionenforschung GmbH	Germany	Cryogenic Infrastructure for the Serial Test Facility for FAIR
429A	10-P3-208	Prof. Francesco Noto	INFN - LNS	Italy	Cryostat Conceptual Design for the LNS Cyclotron upgrade
Poster Session: Cryogenics for Fusion II & Space Cryogenics II Chairperson: Dr. N.K. Gupta & Dr. Biswanath Sarkar					
301	10-P3-209	Mr. Pratikkumar Nayak	Institute For Plasma Research	India	Design & Development of Liquid Nitrogen based Pre-Cooler for Solid Hydrogen Extruder
334	10-P3-210	Mr. Nitin Shah	ITER-India (Institute for Plasma Research)	India	Design of ITER relief lines
357	10-P3-211	Mr. Gaurav Singh	Institute for Plasma Research	India	Experimental Investigation of two-phase nitrogen cryo transfer line
406	10-P3-213	Mr. Himanshu Kapoor	ITER-India, Institute for Plasma Research	India	Warm and cold acceptance tests and their results for 1st Pre-Series Cryoline (PTCL) of ITER
133	10-P3-214	Mr. Anant Singhal	Liquid Propulsion Systems Centre / ISRO	India	Numerical Study of Gas Condensation in a Cryogenic Flow Line
164	10-P3-215	Mr. Gagan Agrawal	ISRO	India	Mathematical Modeling of Thermal Stratification in a Cryogenic Propellant Tank

248	10-P3-217	Mr. Arun M	TKM College of Engg.	India	LO2-CH4 Combustion Under Supercritical Conditions in a Rocket Thrust Chamber
281	10-P3-218	Dr. James Butterworth	Air Liquide Advanced Technologies	France	The Air Liquide 15K Pulse Tube Cooler for Space
425	10-P3-219	Dr. H.B. Naik	SVNIT, Surat	India	Developments in Thermoacoustic and Stirling thermal-to-electric converters
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235	10-P3-220	Dr. Xiaoshuang Zhu	Key Laboratory of Cryogenics, TIPC, CAS, China	China	Experimental research on a 12b k gas-coupled two-stage high frequency pulse tube cryocooler
250	10-P3-221	Mr. KUSHAL MOSAHARY	NATIONAL INSTITUTE OF TECHNOLOGY CALICUT	India	Design and analysis of stirling type inertance pulse tube cryocooler
280	10-P3-222	Mr. MATHEW SKARIA	TKM COLLEGE OF ENGINEERING	India	Computational Investigations on the performance of thermo-acoustically driven pulse tube refrigerator
287	10-P3-223	Dr. Milind Atrey	IIT Bombay	India	Investigation of transfer lines to separate a Pulse tube cold head from a linear compressor
327	10-P3-225	Prof. P. Ardhapurkar	S. S. G. M. College of Engineering Shegaon	India	Performance analysis of heat exchanger for mixed refrigerant Joule Thomson cryo-chamber
331	10-P3-226	Dr. XiaoTao Wang	Key Laboratory of Cryogenics, Chinese Academy of Sciences	China	Numerical Study of a 10 K Two Stage Pulse Tube Cryocooler with Precooling Inside the Pulse Tube
332	10-P3-227	Dr. B. Premachandran	Indian Institute of Technology Delhi	India	Porosity optimization of the regenerator for a miniature Stirling cryocooler

338	10-P3-228	Mr. K.N. Manoj	NIT Rourkela	India	Design and fabrication of a high cooling capacity single stage G-M type Pulse Tube Refrigerator
339	10-P3-229	Mr. Debashis Panda	NIT Rourkela	India	A mathematical model and design software for GM-type Pulse Tube Refrigerator
351	10-P3-230	Mr. Paresh Gujarati	S V National Institute of Technology, Surat	India	Novel numerical analysis of single stage GM type Orifice Pulse Tube Cryocooler
380	10-P3-231	Mr. GURUDATH SRIKANTIAH	ISRO Satellite Centre	India	Design Studies on Pulse Tube Cryocooler
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260	10-P3-232	Dr. Shreya Mehta	L.D.College of Engineering	India	Theoretical analysis of coiled finned tube heat exchanger for helium liquefaction plant
262	10-P3-233	Mrs. Savitri Patel	C.K.Pithawala College of Engineering and Technology	India	Testing of insulation material for cryogenic temperature range
264	10-P3-234	Mr. Abhishekkumar Pandey	A.D Patel Institute of Technology	India	Performance testing and analysis of Vertical Ambient Air Vaporizers
266	10-P3-235	Mrs. Jyoti Agarwal	Institute for Plasma Research	India	Thermal diffusivity of G10 material at Cryogenic temperatures
292	10-P3-236	Mr. Manohar Karnal	ZARM Institute	Germany	Estimation of exhaust gas temperature of the rocket nozzle using hybrid approach

302	10-P3-237	Mr. RAVI VERMA	INDIAN INSTITUTE OF SCIENCE	India	Measurement of thermal conductivity of materials down to 4.5 K for development of cryosorption pumps
320	10-P3-238	Prof. Isabel Catarino	Faculdade de Ciencias e Tecnologia, Universidade Nova de Lisboa	Portugal	Feasibility study of parallel conduction cooling of NbTi magnet and sample probe in a cryogen-free magnet system
325	10-P3-239	Mr. Mustafa Chitalwala	Veer mata Jijabai Technological Institute (V.J.T.I.)	India	Investigations of heat transfer across a multi-layer insulated liquid nitrogen transfer line
354	10-P3-240	Mrs. Bhagyashri Shah	Institute for Plasma Research	India	Finding friction factor for low temperature helium flow through serrated type plate-fin heat exchanger using CFD software and empirical co-relations
385	10-P3-241	Mr. Aaditya Pegallapati	Indian Institute of Technology Kharagpur	India	Optimum Location of Thermal Radiation Shield in Superconducting Rotating Machines
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Chairperson: Prof. V.V. Rao					
310	10-P3-242	Dr. Hyun Chul Jo	Institute for Basic Science	Korea, South	Superconducting Magnet and Cryogenic Systems for In-Flight Separator of RISP in Korea
324	10-P3-243	Mr. Mahesh Ghat e	Institute For Plasma Reseaech	India	Design and manufacturing of 30 kA Nb3Sn CICC for Fusion Relevant Superconducting Magnet
343	10-P3-244	Mrs. Ananya Kundu	Institute for Plasma Research	India	Design, analyses, fabrication and testing of conduction cooled Nb3Sn based coil in 1 W pulse tube cryocooler
388	10-P3-245	Dr. bajas hugo	CERN	Switzerland	A New Framework for Superconducting Magnet Behavior Analysis

391	10-P3-246	Dr. Roberto Zanino	Nemo Group, Dipartimento Energia	Italy	Analysis of the ITER Central Solenoid Insert (CSI) hydraulic characteristic
413	10-P3-247	Dr. S Gopalakrishna	NIT Rourkela	India	Design of non-solenoid magnet without the presence of magnetic materials
416	10-P3-248	Mr. Arman Nadaf	National Institute of Technology, Rourkela	India	Magneto-static simulation of inhomogeneity due to several thermo-mechanical factors in a 1.5 T multi-coil superconducting MRI magnet
429B	10-P3-249	Prof. Francesco Noto	INFN - LNS	Italy	Cryogenic developments in AISHa and SERSE ECR sources
231B	10-P3-250	Prof. Yonghua Huang	Shanghai Jiao Tong University	China	Pressure drop measurement of liquid nitrogen flow in bellows for HTS cable cooling
322	10-P3-251	Mr. Trilochan Penthia	National Institute of Technology, Rourkela	India	Integration of Superconducting coil with a Shunt Active power Filter for Power Quality Improvement in a Power Distribution System
370	10-P3-252	Mr. Mikhail Astrov	Efremov Institute of Electrophysical Apparatus	Russia	Field features of the current-carrying bifilar block for Superconducting Fault Current Limiter
374B	10-P3-253	Mr. Qinling ZHU	Western Superconducting Technologies Co., Ltd.	China	Design and optimization of Power supply for low Temperature Superconducting Magnet
411	10-P3-254	Dr. Asokan Kandasami	IUAC	India	Critical Current Densities of YBa ₂ Cu ₃ O ₇ / BaZrO ₃ composites
412	10-P3-255	Mr. Bilal Malik	Department of Physics,	India	Effect on critical current density of YBCO by the addition of Ag.

255	10-P3-256	Mr. Andreas Janzen	Karlsruhe Institute of Technology	Germany	Thermal noise of temperature measurement with Cernox sensors at various supply currents
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276	10-P3-257	Mr. Rajendra Dutt	Inter University Accelerator Centre	India	Control and materials characterization System for 6T Superconducting Cryogen Free Magnet Facility at IUAC, New Delhi
306A	10-P3-258	Dr. Francois BONNE	CEA/SBT	France	Control of Warm Compression Stations Using Model Predictive Control: Simulation and Experimental Results
314	10-P3-259	Mr. Pascal Erni	WEKA AG	Switzerland	Cryogenic valves in restricted areas- Possible configuration of valve control elements
326	10-P3-260	Prof. Chandrashekhar Garde	Vishwakarma Institute of Information Technology	India	Automatic Transfer of Liquid Nitrogen from Storage Tank to Experimental Cryostat
336	10-P3-261	Mr. Prashant Khatri	Indian Istitute of Technology Kanpur	India	Low temperature DC coupled HEMT based voltage amplifier
358	10-P3-262	Prof. Gang Zhou	Technical Institute of Physics and Chemistry	China	The Measurement and Uncertainty Analysis of Thermal Resistance in Cryogenic Temperature Sensor Installation
397	10-P3-263	Ms. PRIYA NEMA	institute for plasma research	India	Dynamic analysis and development of process control system with Logics for Compressor and Oil Removal System of He Plant.

433	10-P3-264	Dr. Nagendran Ramasamy	IGCAR	India	Simple Variable Temperature Regulator suitable for physical property measurements at low temperatures
308	10-P3-265	Mr. Sanket Jadhav	Government College of engineering	India	Analytical and computational study of two phase flow in existing liquid nitrogen distribution piping at TIFR Mumbai and methods to improve liquid yield using subcooler
312	10-P3-266	Mr. Yannick Bessler	Forschungszentrum Juelich GmbH	Germany	Final design, fluid dynamic analysis and testing of a supercritical hydrogen Moderator for the European Spallation Source
207	10-P3-267	Mr. Zhang Deng	Key Laboratory of Cryogenics, Technical Institute of Physics and Chemistry, CAS, China	China	A novel liquid air energy storage in high- pressure state
356	10-P3-268	Mr. ABHINAV DESAI	S V NATIONAL INSTITUTE OF TECHNOLOGY	India	Optimization of thermoacoustic engine driven thermoacoustic refrigerator using response surface methodology
361	10-P3-269	Dr. Suman Ghosh	NIT Rourkela	India	A numerical investigation to capture the unsteady internal flow phenomena and heat transfer mechanism in roots type blower or pump
369	10-P3-270	Dr. Matthias Mentink	CERN	Switzerland	Superconducting transformer test bench for testing joints in high-current cables
379	10-P3-271	Ms. Susmita Koley	IIT Kharagpur	India	Performance analysis of continuous sorption cooling in single adsorbent bed using activated carbon hydrogen pair using LN2 as heat sink

383	10-P3-272	Mr. Umesh Pant	CSIR-National Physical Laboratory	India	Realization of triple point of argon (83.8058 K) at NPL India
434	10-P3-273	Mr Suresh Babu	IUAC	India	Design & Performance study of Vortex tube for low temperature Applications
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333	10-P3-274	Prof. Tetsuo Oka	Niigata University, Faculty of Engineering	Japan	Magnetic flux invasion in HTS bulk magnets with varying the shapes of remaining flux distributions in multiple-PFM processes
337	10-P3-275	Prof. XIN YAO	SHANGHAI JIAO TONG UNIVERSITY	China	The growth of REBa ₂ Cu ₃ O _y superconductor bulk for practical application and fundamental study
355	10-P3-276	Dr. qingxiang wang	Western Superconducting Technologies Co	China	Preparation and performance of low loss NbTi superconducting wire with Cu ₁₀ Ni matrix
360	10-P3-277	Mr. Yonghua Li	Western Superconducting technologies co	China	Study of Low Loss NbTi Superconducting wires for HIAF Magnets
363	10-P3-278	Dr. Rajendra Meena	National Physical laboratory	India	Inter-comparison of Electric and Magnetic behaviour of superconducting quaternary Oxy-pnictide compounds

375	10-P3-279	Mr. Roland Gyuraki	Karlsruhe Institute of Technology	Germany	Measurement of inter-filament resistance in striated HTS coated conductors
389B	10-P3-280	Dr. Arend Nijhuis	University of Twente	Netherlands	AC loss and inter-tape resistance in REBCO stacked tape, CORC, CroCo and Roebel cables
396	10-P3-281	Mr. Gnanavelu Arulmurugan	LPSC	India	Indigenisation of AA2219-T8511 seamless tubes for the cryo propellant gauging applications in launch vehicles.
405B	10-P3-282	Mr. Muhammed Shah	King Saud University	Saudi Arabia	Optimization of In Situ/Ex Situ ratio for Best Low-Field Jc(B) Enhancement in Undoped MgB2
405A	10-P3-283	Mr. Muhammed Shah	King Saud University	Saudi Arabia	Sintering Temperature Effects on the Superconducting Properties of Reduced Graphene Oxide Doped MgB2 Synthesized by In Situ/Ex Situ Combination Technique
422	10-P3-284	Mr. Joshua Kellams	Texas A&M University	United States	Development of multifilament Nanoparticle Ag-enhanced textured-powder Bi-2212/Ag round wire
368	10-P3-285	Anakh Pal Anakhi	Lovely Professional University	India	Buckling Analysis of Torque Tube with Kevlar Composites for High Temperature Superconducting Motors