

Session Program

22-26 Jul 2024

ICEC29/ICMC2024

Thu-Po-3.3

CICG - GENEVA, Switzerland
Rue de Varembe 17, 1202 Genève

Thursday 25 July

14:00

Thu-Po-3.3: Large Scale Cryogenic Systems 6

Poster Session | Location: Poster area | Convener: Benjamin Bradu

Integrated design of an 18kW@4.5K/4kW@2K helium cryogenic refrigeration system for CiADS

Speakers

Dr Shaoqi Yang, Prof. Xiujuan Xie

Analysis and optimization of helium liquification process utilizing the turbo Brayton refrigerator as the pre-cooling stage

Speakers

Dr Jin Zhen Wang, Jihao Wu

MITICA Cryoplant

Speakers

Grigory Kouzmenko, Jose Daniel Dupuy Exposito

Design of a 10 ton/day air liquefaction system for liquid air energy storage

Speaker

Dr Sehwan In

Development of a Hardware-In-the-Loop (HIL) simulation system for a 3000L/h helium liquefier

Speakers

Prof. Gang Zhou, Dr Jing Li

The Failure Analysis of the Turbine for Helium Cryogenic System at Taiwan Light Source

Speaker

Huang-Hsiu Tsai

Application, development and future of helium compressor in large-scale cryogenic engineering

Speakers

Jingyu Li, zhongjun Hu

Automated operation modes for the ESS cryogenic moderator system

Speaker

Attila Zsigmond Horváth

Design of cold box for air liquefaction with capacity of 10 ton/day

Speaker

Yong-Ju Hong

PRELIMINARY design of a new Helium liquefaction system at LBL

Speaker

Li Wang

The influence of the UA ratio between heat exchangers on the temperature distribution

Speaker

Prof. Gang Zhou

System integration and commissioning of helium liquefier

Speaker

Bingming Wang

nEXO Underground LN2 Plant at SNOLAB

Speaker

Tristan Hillier

Proven cryogenic solutions for large power under 4.5K by ALAT

Speakers

Mr Jean-Marc Bernhardt, Nicolas chantant, Mrs Pascale Dauguet, Mr Yannick Fabre

Development of Cold Box for Upgradable Helium Refrigerator Plant of 200W at 4.5 K

Speaker

Mr Ananta Sahu

Efficiency increase of cryoplants by retrofitting with state-of-the-art turbine technology

Speaker

Mr Marco Muehlegger

LBNF/DUNE nitrogen refrigeration system update

Speaker

Markus Graf

16:00