

## **Session Program**

**22-26 Jul 2024**

# **ICEC29/ICMC2024**

## ***Tue-Or2***

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

# Tuesday 23 July

11:00

## Tue-Or2: Cryocooler Research

**Session** | **Location:** Room A | **Convener:** Toru Kuriyama

11:00–11:15

**Development of high-performance cryocoolers capable of operating from 120 K down to 5 mK**

**Speaker**

Haizheng Dang

11:15–11:30

**Experimental investigation of a helium sorption cooler operating below 1 K**

**Speaker**

Kongkuai Ying

11:30–11:45

**Development of a remote cooling system for detector magnet current leads using a single-stage GM cryocooler**

**Speaker**

Weronika Gluchowska

11:45–12:00

**Numerical Modeling on a Two-Stage GM Cryocooler**

**Speaker**

Lydia Shen

12:00–12:15

**Effect of operating parameters on step piston type pulse tube refrigerator**

**Speaker**

Sheng Xu

12:15–12:30

**100 K Cooling Performance of a Modified Collins Cycle Cryocooler for In-space Applications**

**Speaker**

Carl Bunge

12:30–12:45

**Development of a high efficiency micro pulse tube cryocooler for 80 K**

**Speaker**

Xiaoqin Zhi

12:45–13:00

**Optimal actively cooled shield temperature in vacuum insulated applications with multilayer insulation**

**Speaker**

Dr Holger Neumann

13:00