

## Session Program

9-13 Jul 2023



# **CEC/ICMC 2023 Abstracts & Technical Program**

## ***C2Or2A: Non-Aerospace Coolers III: 4K and Sub Kelvin***

Hawaii Convention Center

## Tuesday 11 July

11:00

### C2Or2A: Non-Aerospace Coolers III: 4K and Sub Kelvin

Session | Location: 314 | Conveners: Amir Jahromi, Franklin Keith Miller

11:00-11:15

#### C2Or2A-01: An Efficient, Low-Vibration Reliquefier for NMR Spectroscopy Applications

**Speaker**

Timothy Hanrahan

11:15-11:30

#### C2Or2A-02: 2K J-T cooler for quantum detection: emphasis on the Stirling-type pulse tube pre-cooler

**Speaker**

Thomas Latella

11:30-11:45

#### C2Or2A-03: Implementation and testing of a 100 mK ADR cryocooler backed by a 4He/3He sorption fridge for CMB-S4 project

**Speaker**

Mr Thibault Romand

11:45-12:00

#### C2Or2A-04: Thermodynamic analysis of gas-coupled GM/JT hybrid helium liquefaction systems

**Speaker**

Mr Xin Chen

12:00-12:15

#### C2Or2A-05: Withdrawn

12:15-12:30

#### C2Or2A-06: A 4He sub-Kelvin adsorption refrigerator

**Speaker**

Dr Yilin Lei

12:30