

Session Program

9-13 Jul 2023



CEC/ICMC 2023 Abstracts & Technical Program

C2Or3A: Non-Aerospace Coolers V: GM and Pulse Tube Coolers

Hawaii Convention Center

Tuesday 11 July

16:15

C2Or3A: Non-Aerospace Coolers V: GM and Pulse Tube Coolers

Session | **Location:** 314 | **Conveners:** Carl Kirkconnell, Stephen Dunn

16:15–16:30

C2Or3A-01: Rapid cooldown of cryostats using dynamic acoustic impedance matching in pulse tube refrigerators

Speaker

Dr Ryan Snodgrass

16:30–16:45

C2Or3A-02: Cooling power analysis of a small scale 4 K pulse tube cryocooler driven by an oil-free low input power Helium compressor

Speaker

Jack-Andre Schmidt

16:45–17:00

C2Or3A-03: Development of a 5 W/4.2 K two-stage pulse tube cryocooler

Speaker

Xihuan Hao

17:00–17:15

C2Or3A-04: High efficiency operation of a 4K-Gifford-McMahon cryocooler without rotary valve with a metal bellows compressor

Speaker

Dr Jens Höhne

17:15–17:30

C2Or3A-05: Performance Test of a Light-Weight Linear Stirling Cooler with Active Vibration Controller

Speaker

Mr Yibing Zhang

17:30–17:45

C2Or3A-06: Advances in Pulse Tube Cooler with Dual-opposed Ambient Displacers

Speaker

Mr Haibing Li

17:45–18:00

C2Or3A-07: Experimental optimization of GM cryocooler operating horizontally in liquid helium temperature zone

Speaker

Dr Wei Chao

18:00