

Session Program

18-22 May 2025



CEC/ICMC 2025 Abstracts & Technical Program

C1Po1B - Aerospace Cryocoolers I: Pulse Tube and Stirling I

Peppermill Reno
2707 S. Virginia St. Reno, NV 89502

Monday 19 May

09:15

C1Po1B - Aerospace Cryocoolers I: Pulse Tube and Stirling I

Poster Session | Location: Exhibit Hall, Tuscany Ballroom

C1Po1B-01: In-line and coaxial configuration performances of Stirling pulse tube cryocoolers for spaceflight

Speaker

Alyssa Wang

C1Po1B-10: Research on the Influence of Average Pressure on the Thermodynamic Cycle and Performance of Pulse Tube Cryocoolers

Speaker

Dr MengLin Liang

C1Po1B-09: Simulation and experimental of phase shifter in high frequency pulse tube cryocooler

Speaker

Geyang Li

C1Po1B-08: Theoretical and experimental investigation of the effect of the phase shifter on the compressor of pulse tube cryocoolers

Speaker

Mingtao Pan

C1Po1B-07: Investigation on a thermal-coupled two-stage pulse tube cryocooler with multi-bypass working at 8 K

Speaker

Mingtao Pan

C1Po1B-06: Performance simulation and model verification for a 20K thermal-coupled two-stage high-frequency pulse tube cryocooler

Speaker

Jia Quan

C1Po1B-05: Numerical and experimental investigation of the compressor coupling characteristic of a 20K thermal-coupled two-stage high-frequency pulse tube cryocooler

Speaker

Jia Quan

C1Po1B-04: A high frequency lightweight coaxial pulse tube cryocooler operating at 70 K

Speaker

Bo Tian

C1Po1B-03: Influence of the structure of multi-bypass configuration regenerator on the performance of Pulse Tube Cryocooler

Speaker

Dr Chenglong Liu

C1Po1B-02: 1 W@28.2 K micro single-stage coaxial pulse tube cryocooler operating at 52 Hz using precooling

Speaker

Dr Chenglong Liu

11:00