

**Session Program**

**22-26 Jul 2024**

**ICEC29/ICMC2024**

***Thu-Or13***

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

# Thursday 25 July

09:00

## Thu-Or13: Cryogenics Instrumentation & Devices

Session | Location: Room D | Convener: Johan Bremer

09:00–09:15

### Numerical modeling and design of the acoustic expander for cryogenic refrigeration

**Speaker**

Nathaniel O'Connor

09:15–09:30

### Transient numerical investigation on sealing performance of square labyrinth seal in the liquid hydrogen piston pump

**Speaker**

Xiujuan XIE

09:30–09:45

### Experimental investigation of a cryogenic printed circuit heat exchanger

**Speaker**

Zixin Zhang

10:00–10:15

### Flow characteristics of cryogenic perforated plate balanced flowmeter

**Speaker**

Yihan Tian

10:15–10:30

### Cryogenic helium valves deflection and relaxation in ESS linac cryogenic distribution system

**Speaker**

Jaroslaw Polinski

10:30