

## **Session Program**

**31 August 2025 to 5 September 2025**



# **HEAVYMETAL V: Consortium Meeting Fall 2025**

## ***Flash Talks and Q&A***

Roe Valley Resort  
10 Lisnakilly Road, Limavady BT49 9FB, Storbritannien

# Monday 1 September

11:50

## Flash Talks and Q&A

**Session | Location:** Roe Valley Resort, 10 Lisnakilly Road, Limavady BT49 9FB, Storbritannien

11:50-12:00

### Update on ARTIS models / comments on implications for what is needed from hydro models

**Speaker**

Luke Shingles

12:00-12:10

### Efficient light curve fitting with Artis

**Speaker**

Rasmus Damgaard

12:10-12:20

### MetalAI - progress

**Speaker**

Rasmus/Moust .

12:30

## Tuesday 2 September

11:30

### Flash Talks and Q&A

**Session | Location:** Roe Valley Resort, 10 Lisnakilly Road, Limavady BT49 9FB, Storbritannien

11:30-11:40 **Grey M1 neutrino transport in AREPO**

**Speaker**

Aristeidis Nikolaidis

11:40-11:50 **General Relativistic Hydrodynamics in AENUS-ALCAR**

**Speaker**

Chun-Ming Yip

11:50-12:00

**Remnant Lifetime Predictions from the Post-Merger Gravitational Wave Signal**

**Speaker**

Marcel Humbert

12:00-12:10 **Molecules, Gamma spectra, Th /U isomeric**

**Speaker**

Gabriel Martinez-Pinedo

12:10-12:20 **Hyperons**

**Speaker**

Andreas Bauswein

12:30

## Wednesday 3 September

11:30

### Flash Talks and Q&A

**Session | Location:** Roe Valley Resort, 10 Lisnakilly Road, Limavady BT49 9FB, Storbritannien

**11:30-11:40 A speed up using a distorted wave with resonances methodology**

**Speaker**

Leo Mulholland

**11:40-11:50 Structure models for Nd**

**Speaker**

Michael McCann

**11:50-12:00 Electron-impact ionisation of Carbon using DRMPS**

**Speaker**

David Dougan

**12:00-12:10 Effect of electron excitation on lanthanides emission spectra**

**Speaker**

Andreas Floers

**12:10-12:20 Future code developments**

**Speaker**

Connor Ballance

**12:20-12:30 Potential Fano resonances in gold laser produced plasmas**

**Speaker**

David McKeagney

12:30

## Thursday 4 September

09:50

### Flash Talks and Q&A

**Session | Location:** Roe Valley Resort, 10 Lisnakilly Road, Limavady BT49 9FB, Storbritannien

09:50-10:00 **A new kilonovae?**

**Speaker**

Daniele Bjørn Malesani

10:00

11:50

### Flash Talks and Q&A

**Session | Location:** Roe Valley Resort, 10 Lisnakilly Road, Limavady BT49 9FB, Storbritannien

11:50-12:00

### Updates on Dual-Comb Spectroscopy & Measurement of Oscillator Strengths

**Speaker**

Hope Dannar

12:00-12:10

### An update on the identification and spectroscopic analysis of Zr and Y

**Speaker**

Kirsten Dowd

12:10-12:20

### Update on MIR experiments

**Speaker**

Lucero Segura Juarez

12:20-12:30

### Searching for a continuum source for achieving absorption spectroscopy

**Speaker**

Marym Alenazi

12:30