

## **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