

## **Session Program**

**31 August 2025 to 5 September 2025**



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

## ***Progress Reports***

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

# Monday 1 September

09:30

## Progress Reports: -

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

09:30–09:50

### New synthetic observables from range of dynamical ejecta models

**Speaker**

Christine Collins

09:50–10:10

### Light-travel time effects / Reverberation in KNe

**Speaker**

Fiona McNeill

10:10–10:30

### Impact of improved models for heavy elements on spectral modelling

**Speaker**

Andreas Floers

10:30

11:30

## Progress Reports

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

11:30–11:50

### Strontium and Helium in NLTE

**Speaker**

Aayush Arya

11:50

## Tuesday 2 September

09:30

### Progress Reports: -

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

09:30–09:50

#### Progress on hydro modelling

**Speaker**

Oliver Just

09:50–10:10

#### Patterns and conditions of r-process nucleosynthesis

**Speaker**

Zewei Xiong

10:10–10:30

#### Emission line shapes expected from hydro models

**Speaker**

Stuart Sim

10:30

# Wednesday 3 September

09:30

## Progress Reports: -

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

09:30–09:50

### New atomic data and collisional radiative modelling for Se III and Ce III

**Speaker**

Leo Mulholland

09:50–10:10

### An update on radiative and dielectric recombination rates

**Speaker**

Connor Ballance

10:10–10:30

### Photoionisation cross section of Sr and Pb across multiple charge states

**Speaker**

David Dougan

10:30

## Thursday 4 September

09:30

### Progress Reports: -

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

09:30–09:50

#### The overseen lines on AT2017gfo

##### Speaker

Albert Sneppen

09:50

11:30

### Progress Reports

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

11:30–11:50

#### Identifying Atomic Data: what is the 'best' approach?

##### Speaker

Lynda Hutchson

11:50