

## **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

## 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

### 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

11:30

11:50