

Session Program

9-13 Nov 2026

Illuminating the Cosmos: Chemical Elements in Stars, Planets, Nebulae, and Transient Extra-galactic Events

Kilonovae

Haus der Astronomie, Auditorium
Königstuhl 17 69117 Heidelberg

Thursday 12 November

09:10

Kilonovae

Session | **Location:** Haus der Astronomie, Auditorium, Königstuhl 17 69117 Heidelberg

09:10–09:30 **The diversity of kilonova spectra in 3D NLTE**

Speaker

Blanka Világos

09:30–09:50 **r-process formation channels- The dominant & the Sub-dominant**

Speaker

Yossef Zenati

09:50–10:10 **Elemental Signatures in Nebular Kilonova Spectra**

Speaker

Smaranika Banerjee

10:10–11:00 **coffee**

11:10–11:30

A General Analytic Diffusion Framework for Viewing-Angle Effects in Explosive Transients

Speaker

Daniella van der Boom

11:30–11:50

Atomic data impacts on nebular phase kilonova spectra: a case study of tellurium

Speaker

Quentin Pognan

11:50–12:10 **Chemical evolution with mixing stochasticity**

Speaker

Anmol Aggarwal

12:10