

# XshootU Wide Workshop 2023

Prague, Czech Republic

25 – 27 September 2023

## Programme

### Monday 25 Sep

**8:30 – 9:00 Registration**

**9:00 – 10:30 Intro + Data**

- **Jorick Vink** & **Brankica Kubátová** - Introductory remarks
- **Frank Tramper** – News from WG2: Update on DR1
- **Laurent Mahy** – vsini & vmac of all the stars provided by the XShooter DR1 data

**10:30 – 11:00 Coffee break**

- **Alexandre David-Uraz** – NACs in the absorption troughs of UV resonance lines
- **Marta Lorenzo** – A new classification scheme for extremely metal-poor massive stars

**13:00 – 14.15 Lunch break**

**14.15 -16:00 XShootU papers**

- **Andreas Sander** – Update Benchmarking (Paper 4)
- **Sara Brands** – The clumped winds of O-type (super)giants in the LMC (Paper 5)

**16:00 – 16:30 Coffee break**

**16:00 – 18:00 XShootU papers**

- **Frank Backs** – SMC GA Analysis (Paper 6)
- **Maurizio Gomez-Gonzalez** – Feedback and Physical Parameters of Massive Stars and Their Environments in N11 (Paper 7)

**19:00 Welcome dinner in Villa Lana**

### Tuesday 26 Sep

**9:00 -10:30 Spectral Analysis (WG3)**

- **Mattheus Perini-Perron** – B supergiants in XShootU
- **Timothy Parsons** – Winds structure in B supergiants from ULLYSES
- **Thaer Alkousa (with Paul Crowther)** – Combined UV + optical analyses using CMFGEN

**10:30 – 11:00 Coffee break**

- **Joachim Bestenlehner** – Optical spectroscopic analysis of the VLT/XShooter data and how optical-only results reproduce the UV

- **Julia Alves (with Wagner Marcolino)** – Modelling LMC O stars with CMFGEN
- **Daniel Pauli** - New PoWR grid
- **Matthew Rickard** – A Bayesian approach of fitting stellar parameters to multi-epoch observations (with MUSE)

**13:00 – 14.15 Lunch break**

**14:15 – 15:45 New Wind Physics (WG4)**

- **Dwaipayan Depnath (with Jon Sundqvist)** – 2D unified atmosphere and wind simulations for O-stars

Evolutionary Connections (WG5)

- **Erin Higgins** – What the mass-luminosity plane can teach us about massive stars in XShootU
- **Varsha Ramachandran** – Identifying and characterizing stripped stars

**15:45 – 16:00 Coffee break**

**16:00 – 19:00 Astronomical Prague guiding tour**

**Wednesday 27 Sep**

**9:00 – 10:30 Larger Scale (WGs 6-9)**

- **Paul Crowther** – Empirical integrated UV spectrum of NGC2070/30 Doradus courtesy of ULLYSES templates
- **Claus Leitherer** – What Mrk 71-A tells us about missing massive-star models

**10:30 – 11:00 Coffee break**

- **Lucimara Martins** – Building a spectral atlas
- **Grace Telford** – Feedback and LVM from WG9

**13:00 – 14.15 Lunch break**

**14:15 – 16:00 Varia + Updates all WGs**

- **Katerina Pivonkova** – New observational evidence for High-Velocity Absorption events
- **Grigoris Maravelia** – Update WG14 on Unusual Objects

**16:00- 16:30 Coffee break**

**Closing remarks**