

International Summer School  
**Stellar Winds and Outflows**  
3.-15. September 2023, Harrachov, Czech Republic

## Main Topics

- ▶ Winds along stellar evolution
- ▶ Observations of stellar winds
- ▶ Radiative transfer and stellar atmospheres
- ▶ Introduction to (magneto-)hydrodynamics
- ▶ Radiation driven winds of hot stars
- ▶ Introduction to the stellar atmosphere code TLUSTY
- ▶ Introduction to the stellar wind code CMFGEN
- ▶ Winds and outflows from massive pre-main sequence stars
- ▶ Interaction between stellar winds and the ISM
- ▶ Winds and outbursts of evolved massive stars
- ▶ Theoretical treatment of pulsationally driven stellar winds

## Lecturers

- ▶ Dr. Lydia Cidale (Universidad Nacional de La Plata, Argentina)
- ▶ Dr. Michel Curé (Universidad de Valparaíso, Chile)
- ▶ Dr. Michalis Kourniotis (Astronomical Institute Ondřejov, Czech Republic)
- ▶ Dr. Michaela Kraus (Astronomical Institute Ondřejov, Czech Republic)
- ▶ Dr. Alex Lobel (Royal Observatory of Belgium, Belgium)
- ▶ Dr. Olga Maryeva (Astronomical Institute Ondřejov, Czech Republic)
- ▶ Dr. Péter Németh (Astronomical Institute Ondřejov, Czech Republic)
- ▶ Dr. Dieter Nickeler (Astronomical Institute Ondřejov, Czech Republic)
- ▶ Dr. René Oudmaijer (University of Leeds, United Kingdom)
- ▶ Dr. Julieta Sánchez Arias (Astronomical Institute Ondřejov, Czech Republic)
- ▶ Dr. Andrea Torres (Universidad Nacional de La Plata, Argentina)

## Additional Information

- ▶ The school addresses advanced Master and PhD students
- ▶ Lectures will be accompanied by hand-on sessions
- ▶ No registration fee required
- ▶ Registration deadline: July 31

