

## Pollux workshop 2025 – Programme

Conference room of the Castle (building 10), Paris Observatory in Meudon

### Wednesday January 22

- 10:00-10:30 *Welcome coffee*
- 10:30-11:00 The Pollux Exoplanet science case – Luca Fossati
- 11:00-11:15 Exoplanet contribution: On the potential of UV spectroscopy and spectropolarimetry for the characterization of exoplanet atmospheres – Antonio Garcia Muñoz
- 11:15-11:30 Exoplanet contribution: Atmospheric Modeling of Rocky Planets in and beyond the Solar System – John Lee Grenfell
- 11:30-11:45 Solar system – Jean-Yves Chaufray
- 11:45-11:55 **Discussion** on Exoplanet science case – Luca Fossati and all
- 11:55-12:25 The Pollux Cosmic structures science case – Cécile Gry
- 12:25-12:40 Cosmic structures contribution: The current state of the UV polarimetry of AGNs with HST/FOS and WUPPE – Thibault Barnouin
- 12:40-12:55 Cosmic structures contribution: Exploring the polarimetric signatures of a potential binary supermassive black hole system in Mrk 231 – Julie Bidermann
- 12:55-13:10 **Discussion** on Cosmic structures science case – Cécile Gry and all
- 13:10-14:30 *Lunch in Uranie Hall*
- 14:30-15:00 The Pollux Stars science case – Ana Ines Gomez de Castro
- 15:00-15:15 Stars contribution: Hot stars – Yaël Nazé
- 15:15-15:30 Stars contribution: Polarization models – Christi Erba
- 15:30-15:40 **Discussion** on Stars science case – Ana Ines Gomez de Castro and all
- 15:40-16:00 **Discussion** on science preparation – Jean-Claude Bouret and all
- 16:00-16:30 *Coffee break*
- 16:30-16:45 HWO working groups: from target stars & systems, through GOMaP synergies, to cross-cutting technologies – José Caballero
- 16:45-17:15 The HWO mission and its telescope – Lee Feinberg
- 17:15-17:45 HWO technology roadmapping and maturation planning for astrophysics in the UV and Visible – Paul Scowen
- 17:45-18:00 **Discussion** on the possibility to use Pollux at the same time as other HWO instruments – Luca Fossati and all

### Thursday January 23

- 09:30-10:00 The Pollux payload – Eduard Muslimov
- 10:00-10:15 Polarimeter development for Pollux – Adrien Girardot
- 10:15-10:30 Detector development for future space missions – Jesper Skoffelt
- 10:30-11:00 **Discussion** on the payload (trade-offs, critical tech,...) – Coralie Neiner and all
- 11:00-11:30 *Coffee break*
- 11:30-12:00 HWO-France and European consortium for Pollux at HWO – Olivier Lamarle
- 12:00-12:15 Updates on HWO activities in the UK – Martin Barstow
- 12:15-12:30 Updates on Pollux activities in Belgium – Christian Kintziger
- 12:30-12:45 Updates on Pollux activities in France – Jean-Claude Bouret
- 12:45-13:00 **Discussion:** Pollux activities in Spain, Austria, Italy, Germany,...
- 13:00-14:20 *Lunch in Uranie Hall*
- 14:20-14:50 **Discussion** on the consortium organization – Jean-Claude Bouret and all
- 14:50-15:05 **Discussion** on additional polarimeter idea – Frédéric Marin and all
- 15:05-15:35 **Discussion** on communication, meetings, proposals, AOB – Coralie Neiner and all
- 15:35-16:00 *Coffee and closing of the formal workshop*
- 16:00-18:00 *Informal splinter discussions, as needed following the workshop, in Janssen rooms*