

IP2CT Meeting 2025

An astrochemical journey from low to high temperatures in the laboratory and in space

Program Friday 28.11

09h30 Introduction and welcome

09h45 Cecilia Ceccarelli (IPAG) *Interstellar Medium and astrochemistry*

10h30 Laurent Margulès (PhLAM) *From Lille to the stars: The quest for molecules in the interstellar medium*

11h00 Coffee Break

11h30 Romain Basalgète (MONARIS) *Experimental studies of astrophysical ice analogs at IP₂CT (MONARIS)*

12h00 Alexandre Marciniak (LCAR) *Characterizing of the spectral signatures of astro-relevant carbonaceous clusters in the laboratory*

12h30 Lunch

14h00 Jean Duprat (IMPMC) *Organic inventory: from comets to asteroid & meteorites*

14h45 Eric Quirico (IPAG) *Ionic irradiation of ices and organic compounds on the surface of TNOs and icy moons of the Jovian system*

15h15 Nathalie Carrasco (LATMOS) *Laboratory studies of molecular composition of planets and exoplanets*

15h45 Break

16h15 Mandy Betkenhagen (LULI) *Exploring the Deep Interior of Uranus & Neptune with Atomistic Simulations*

16h45 Flavio Siro Brigiano (LCT) *Superacid-Like Reactivity of Hydrocarbons in Water Under Extreme Conditions: A New Route to Methane Activation in Icy Giants' Interiors*

17h15- Conclusion