



Clement Zaepffel, ONERA

Labex Scientific Day

Annual meeting of the PLAS@PAR community

PLAS@PAR Research Federation

General meeting

**November 14-15,
2022**

Conference Center,
Tower 44-45, room 106
4, place Jussieu, 75005 Paris



More information :

www.plasapar.sorbonne-universite.fr

09:00 – WELCOME & COFFEE

Labex Scientific day - 14 Nov

- 10:00 – **Laurent Masse (CEA)**
ICF Recent breakthrough
- 11:00 – **Charly Pinçon (Post-doc LERMA)**
Studying the magnetic field topology and latitudinal luminosity profile of low mass stars with global simulations
- 11:20 – **Dawei Peng (LCPMR)**
Commissioning and first results of MOSARIX : A new X-Ray soectrometer in the range of tender X-Rays (2-5 keV).
- 11:50 – **Mariette Jolly (Doctorante INSP)**
Progress of the ion-ion collisions project : theoretical and experimental developments.

12:15 – LUNCH, AND POSTER SESSION

- 14:00 – **Pascal Chabert (LPP)**
Plasma Propulsion for Space Applications
- 14:45 – **Amélie Jarnac (ONERA)**
Caractérisation dynamique de l'érosion de fixations aéronautiques soumises à la foudre par imagerie X en contraste de phase.
- 15:15 – **Arnaud Zaslavsky (LESIA)**
An overview of the first orbits of Solar Orbiter

09:00 – WELCOME & COFFEE

Labex Scientific day - 15 Nov

- 09:30 – **David Pai (LPP)**
Characteristic length scales of plasma electrochemical reactors for nanomaterials synthesis.
- 10:00 – **Sylvain Badin (LCPMR)**
Theoretical study of the I+ + I- mutual neutralization reaction.
- 10:30 – **Louis Duval (LKB)**
Étude de spectres d'émission X dans des plasmas d'ions très chargés.
- 10:50 – **Nicolas Aunai (LPP)**
Towards global scale modèls and observations of the dayside magnetosphere, AMR Hybrid PIC simulations and massive statistical observations.

11:20 – **Samuel Marini (Post-doc LULI)**
Direct particle acceleration by high-intensity laser pulses.

11:40 – **Yevhen Tkachenko (Doctorant LERMA)**
MHD simulations of Magneto Plasma Dynamic Thrusters.

12:15 – LUNCH, AND POSTER SESSION

- 14:00 – **Jérôme Bucalossi (IRFM/CEA)**
Point sur les recherches en fusion magnétique.
- 15:00 - **Philippe Savoini (LPP)**
Evidence and analysis of ion / electron foreshocks in subcritical regime : 2D PIC Self-consistent somulation
- 15:30 - **Laure Vermare (LPP)**
Turbulence regulation in fusion plasmas.

16:00 – END.

