

Session Program

October 18, 2021 to November 26, 2021

**The Paris Saclay AstroParticle Symposium
2021**

Discussion

Institut Pascal
Rue André Rivière 91400 Orsay

Mon, October 18

3:00 PM

Discussion: Particle acceleration theory and simulations (remote speaker)

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Convener:** Damiano Caprioli

4:00 PM

3:00 – 4:00 PM **Particle acceleration theory and simulations (remote speaker)**

Speaker

Damiano Caprioli

Wed, October 20

11:00 AM

Discussion: Sources of CRs

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Conveners:**
Dr Pierre Cristofari, Giovanni Morlino, Jean Ballet

11:00 - 11:30 AM

Particle acceleration in supernovae

Speaker

Pierre Cristofari

11:30 AM - 12:00 PM

Particle acceleration in winds of star clusters

Speaker

Giovanni Morlino

12:00 - 12:30 PM

Particle acceleration in supernova remnants

Speaker

Jean Ballet

1:00 PM

Thu, October 21

11:00 AM

Discussion: PWNe and halos at high energies

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Conveners:** Elena Amato, Pierrick MARTIN

11:00 - 11:45 AM Particle acceleration in pulsar wind nebulae (remote speaker)

Speaker

Elena Amato

11:45 AM - 12:30 PM Halos around PWNe

Speaker

Pierrick MARTIN

1:00 PM

Fri, October 22

11:00 AM

Discussion: CR anisotropies and composition

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Conveners:** markus Ahlers, Vincent Tatischeff

11:00 - 11:45 AM

Cosmi ray anisotropies and composition

Speaker

markus Ahlers

11:45 AM - 12:30 PM

The origin of Galactic CR as revealed by their composition

Speaker

Vincent Tatischeff

1:00 PM

3:00 PM

4:30 PM

Discussion: Wrap up of the week

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay

Wed, November 3

4:00 PM

Discussion: A. Arbey : Primordial Black Hole as Dark Matter

Session | Location: Institut Pascal, Rue André Rivière 91400 Orsay

5:30 PM

4:00 - 5:30 PM Discussion : PBH as Dark Matter

Thu, November 4

3:00 PM

5:00 PM

Discussion: Dark Matter and Early Universe (O. Lebedev, M. Garcia, V. Vennin)

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay

Fri, November 5

3:00 PM

Discussion: Alternatives to WIMP scenario (J. Quevillon, J. Cembranos)

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay

3:00 - 4:00 PM

Discussion: Alternatives to WIMP scenario (J. Quevillon, J. Cembranos)

Speakers

Jose RUIZ CEMBRANOS, Jérémie Quevillon

5:00 PM

Mon, November 8

2:30 PM

Discussion: Cirelli : Indirect Detection of DM

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay

2:30 - 3:30 PM **Contribution : Cirelli**

Speaker

Mr Marco CIRELLI

3:30 PM

4:00 PM

Discussion: Galloway : Direct detection of Dark Matter

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay

4:00 - 5:00 PM **Contribution : Galloway**

Speaker

Michelle Galloway

5:00 PM

Wed, November 10

3:00 PM

Discussion: Felcini : Dark Matter at LHC

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay

4:00 PM

3:00 - 4:00 PM

Discussion : Felcini : Dark Matter at LHC

Speaker

Marta Felcini

Mon, November 15

2:00 PM

4:00 PM

Discussion: Multi-messenger follow-up observations

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Convener:** Miguel Mostafa

Wed, November 17

11:00 AM

1:00 PM

Discussion: Next generation GRB missions in the multi-messenger context

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Convener:** Lorenzo Amati

Thu, November 18

9:30 AM

11:30 AM

Discussion: GRB emission across various wavelengths and messengers

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Convener:** Frédéric DAIGNE

Fri, November 19

11:00 AM

1:00 PM

Discussion: VHE transients

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Conveners:**
Antonio Stamerra, Fabian Schüssler

Mon, November 22

2:00 PM

4:00 PM

Discussion: Perturbation theory in GR and GW: New developments

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Convener:** Dr Luc Blanchet

Wed, November 24

10:00 AM

Discussion: Compact Objects in Modified Gravity

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Convener:** Christos Charmousis

12:00 PM

2:00 PM

Discussion: Effective theories and GW

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Convener:** Dr Rafael Porto

4:00 PM

Thu, November 25

11:00 AM

1:00 PM

Discussion: New field theoretic methods and GW

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Conveners:** Pierre Vanhove, David Kosower

Fri, November 26

2:00 PM

4:00 PM

Discussion: GW and Cosmology

Session | **Location:** Institut Pascal, Rue André Rivière 91400 Orsay | **Conveners:**
Prof. Nicola Bartolo, Chiara CAPRINI, Nicola TAMANINI