ISAPP
Paris-Saclay School

23 October, 2026

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Paris-Saclay School - poster



« High-Energy Astrophysics: Sources and Detection"
8-19 June 2026
Institut Pascal, Paris-Saclay University
https://indico.ijclab.in2p3.fr/event/12254/overview

Paris-Saclay School - programme

Key topics :

- Introductory courses in astrophysics, particle physics and statistics
- Physics of high-energy showers, radiation, acceleration, propagation mechanisms
- Galactic and extragalactic sources, cosmic ray probes of fundamental physics
- Cosmic ray and gamma-ray detections: ground and space-based
- Multi-messenger approach, neutrinos: detectors and results, gravitational waves: detectors and results
- Using AI in astrophysics, hands-on sessions (Gammapy and open science), student research projects, CTAO + visit to CTAO-related infrastructures at Paris-Saclay

All lectures recorded.

Paris-Saclay School - timetable

	9h00 - 10h45	11h15 - 12h45		14h00 - 15h45	16h15 – 17h45	17h15 – 18h00	18h00-18h30
Monday 8	Arrival	Arrival	Lunch Welcome@IPa	Astrophysics Intro : *H. Dole* *De 14h à 16h*	**Welcome Cocktail**		
Tuesday 9	Particle Physics Intro: *J.-F. Laporte 1h30*	Acceleration Mechanism – I : *M. Lemoine*		CR detection – ground. *P. Ghia*	GW overview *T. Dal Canton*	Student Research project	**Buffet@IPa**
Wednesday 10	Statistical analysis *G. Mention*	Shower Physics – I : *T. Pierog*		Acceleration Mechanism – II: *M. Lemoine*	CR detection – space : *P. Ghia*	**Discussion**	
Thursday 11	Radiation and propagation I : *S. Gabici*	Galactic Sources-I *P. Cristofari*		Advanced analysis – IA/ML *G. Daniel*	Shower Physics – II : *T. Pierog*	Student Research project	**Buffet@IPa**
Friday 12	Radiation and propagation - II *: S. Gabici*	Galactic Sources-II *P. Cristofari*		CTAO *T. Stolarczyk*	NectarCam Visit	NectarCam Visit	
Saturday 13	**Social event**						
Sunday 14							
Monday 15	AI for Astrophysics *Y. Becherini*	Gamma-ray detection : ground *F. Bradascio*		Extragalactic sources : *E. Linfords*	KM3Net Seminar *D. Dornic*	Student research project	
Tuesday 16	MM-I *M. Alhers*	Fund. Phys. with CRs *E. Moulin*		SVOM Seminar	**Discussion**	Student Research project	**Buffet@IPa**
Wednesday 17	Gamma-ray detection : space J. Ballet	Extragalaxctic sources: *E. Linfords*		Fund. Phys. with CRs *E. Moulin*	***Hands-on Gammapy***	*Seminar on black holes*	
Thursday 18	MM – II *M. Alhers*	**Hands-on Open Science**		**Séance Discussion**	Student Research project	Student project presentation	**20h : Social dinner**
Friday 19	Student project presentation	Conclusion	Light take-away sandwiches	Departure	Departure	Departure	

Paris-Saclay School - registration

- Registration fees (accommodation in close-by hotel Résidhome):
  - Double room (you may choose a specific roommate): 950€
  - Single room: 1400€
  - Without accommodation : 400€
- Registration fee includes lunches and coffee breaks and some dinners (buffets organised at the Pascal Institute and a school dinner organised at the near by restaurant)
- Social event: boat cruise in the center of Paris
- More than 30 students registered

Paris-Saclay School - budget

Budget about 50 k€

18 k€ collected as financial support from various institutions

Photos – lecture room at Institut Pascal

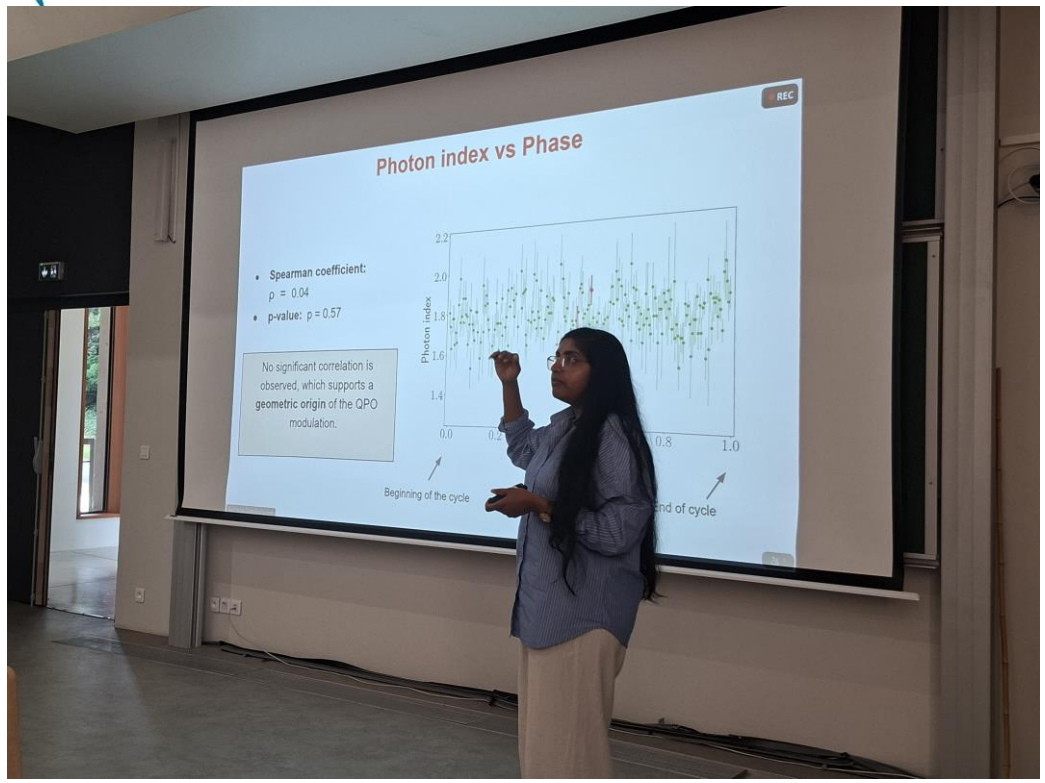


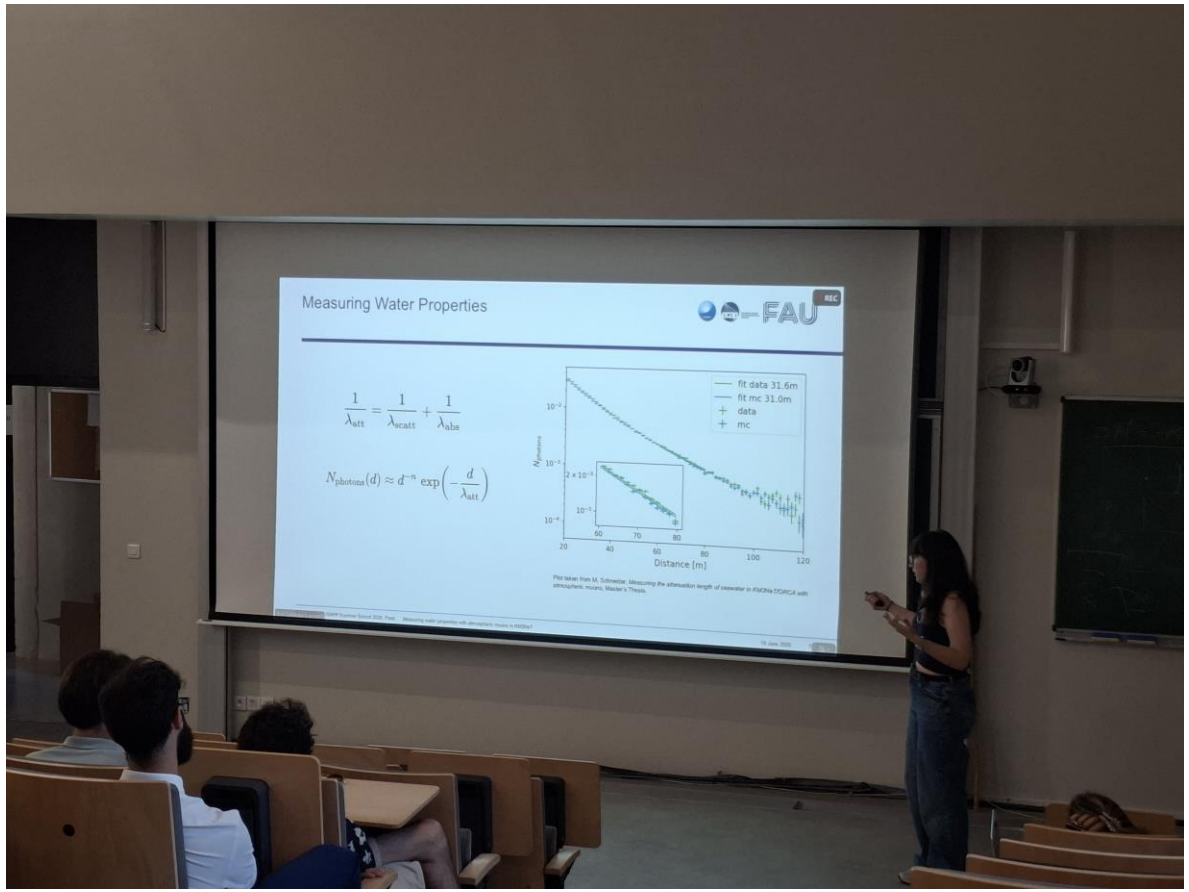




Picknic on the roof of Institut Pascal.

Photos – student presentations

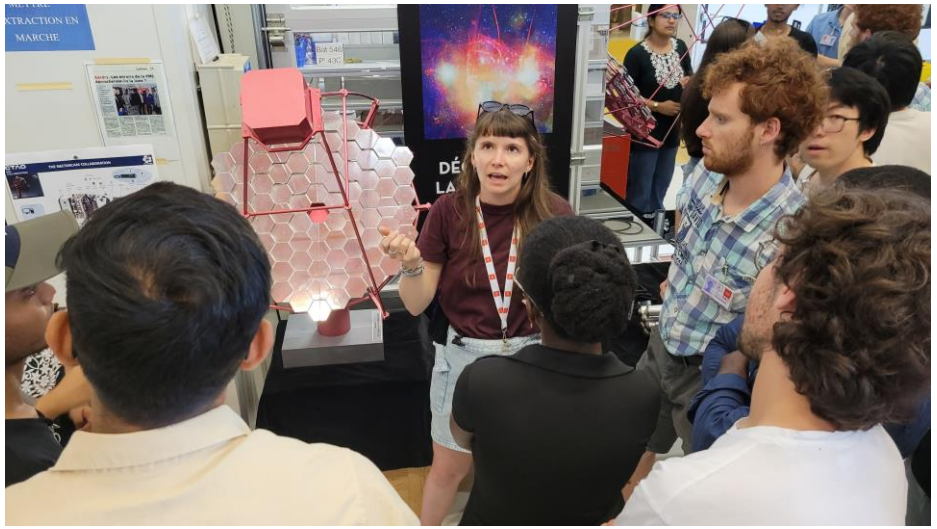




Students prepared a presentation on their research subject, few slides and questions.

Photos – visit to NectarCAM at CEA-Irfu







Photos – boat cruise in Paris





Conclusions



- Lecture recordings available on Indico.
- Excellent student presentations, which were appreciated by all participants.
- Visit to NectarCAM, appreciated by all students.
- Social activities during the middle weekend: a boat cruise on the Seine and free time to explore Paris.
- Only about 30 students registered, despite a capacity of more than 50. This was probably due to increased competition from other schools.