

UHECR 2018 Ultra High Energy Cosmic Rays



Tapez pour saisir le texte

8-12 October 2018

Ecole Supérieure de Chimie, Chimie Paris Tech, Paris

<https://indico.in2p3.fr/event/17063/>

Committees

International Advisory Committee

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Local Organizing Committee

Chair : Isabelle Lhenry-Yvon

Secretary: Valérie Frois, uhecr2018@ipno.in2p3.fr

Jonathan Biteau

Olivier Deligny

Piera Ghia

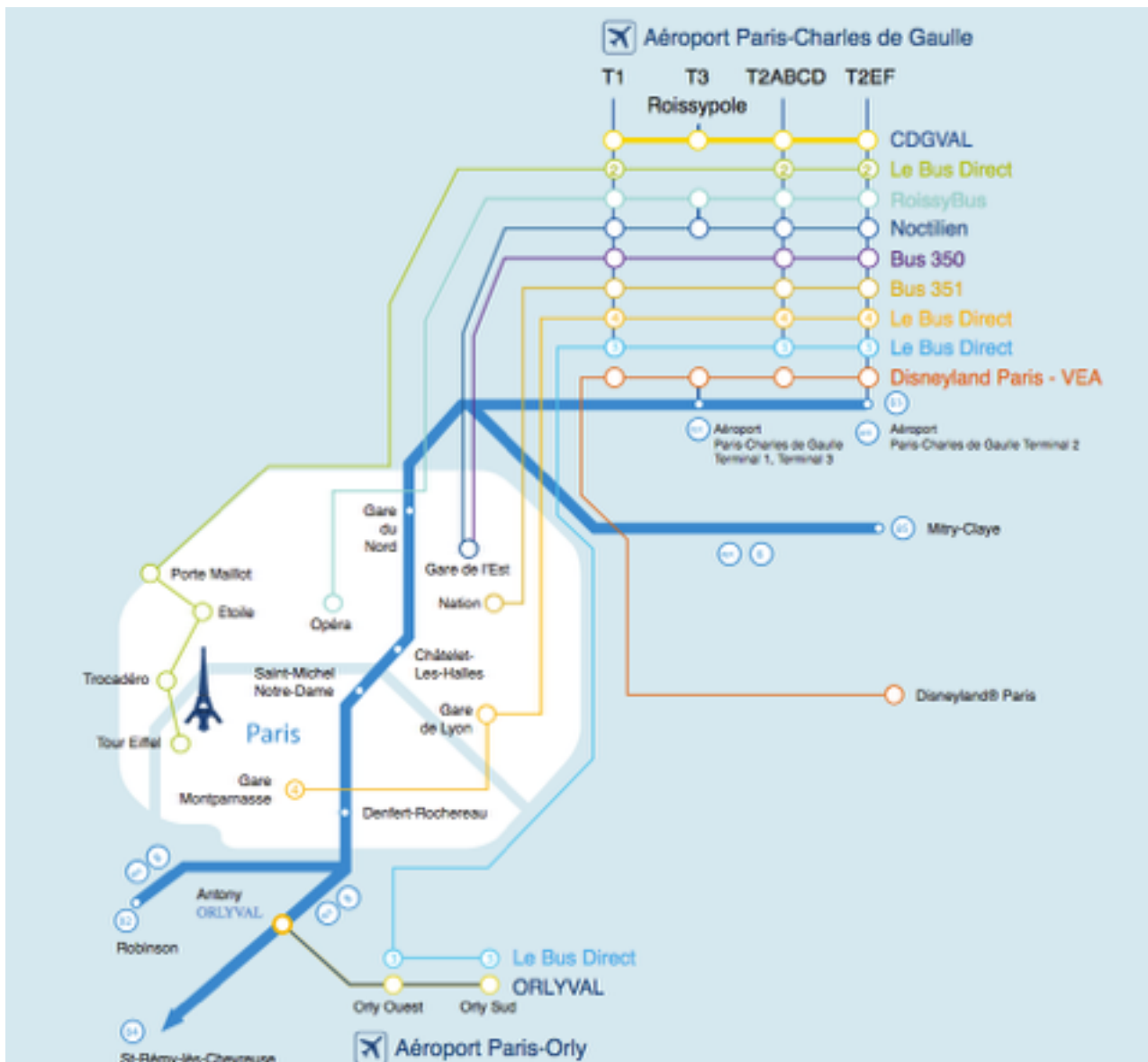
Quentin Luce

Arriving to Paris

From Roissy Airport : take **RER B** to the south (35', 10.30€)
(direction Robinson, Saint-Remy les Chevreuse)

From Orly Airport : take **ORLYVAL** to Antony (6')
and in Antony, take **RER B** to the north (15')
(direction Aéroport Charles de Gaulle, Mitry Claye)

Other options by bus (cheaper but longer) can be found at
<https://www.ratp.fr/en/titres-et-tarifs/airport-tickets>



Venue

Arriving at the Ecole Nationale Supérieure de Chimie de Paris

(recently renamed Chimie Paris Tech)

Address : 11 rue Pierre et Marie Curie, Paris 5



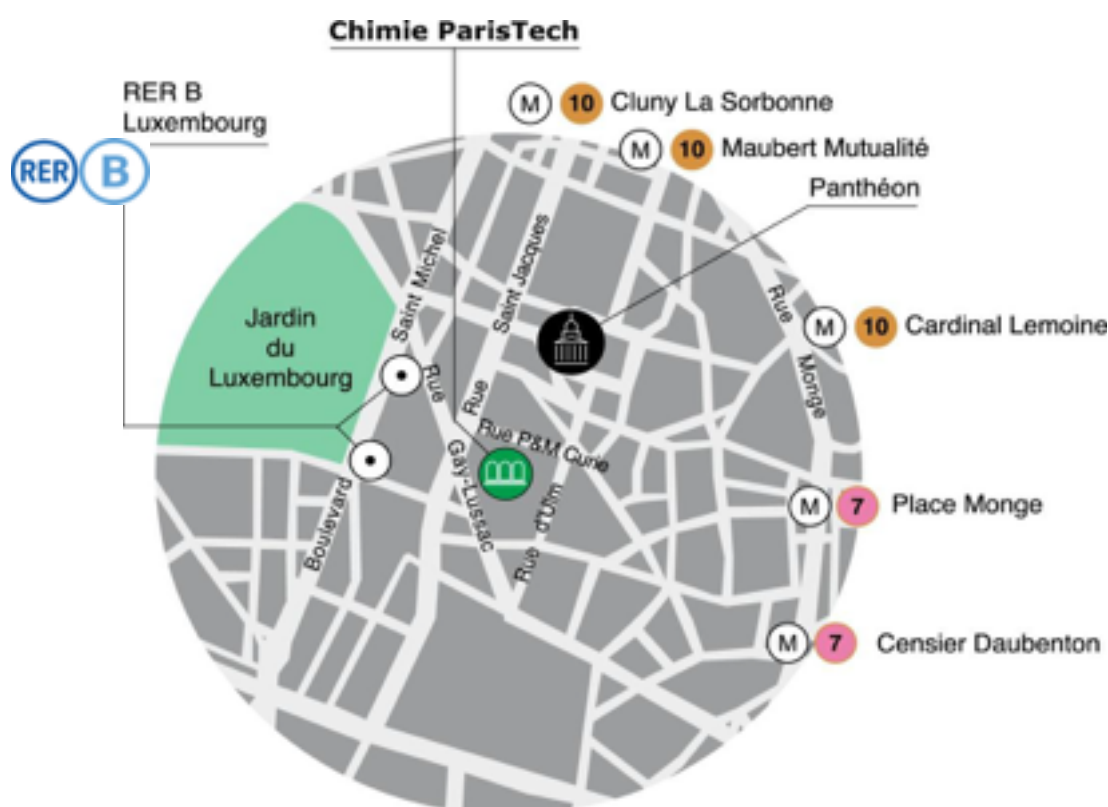
RER line B : stop at station Luxembourg



Metro line 10 : closest station Cardinal Lemoine (15mn, 1km)



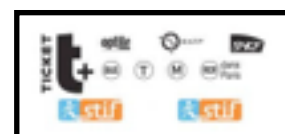
Bus 21 and 27 stop very close to the institute
(stop Saint-Jacques - Gay-Lussac)



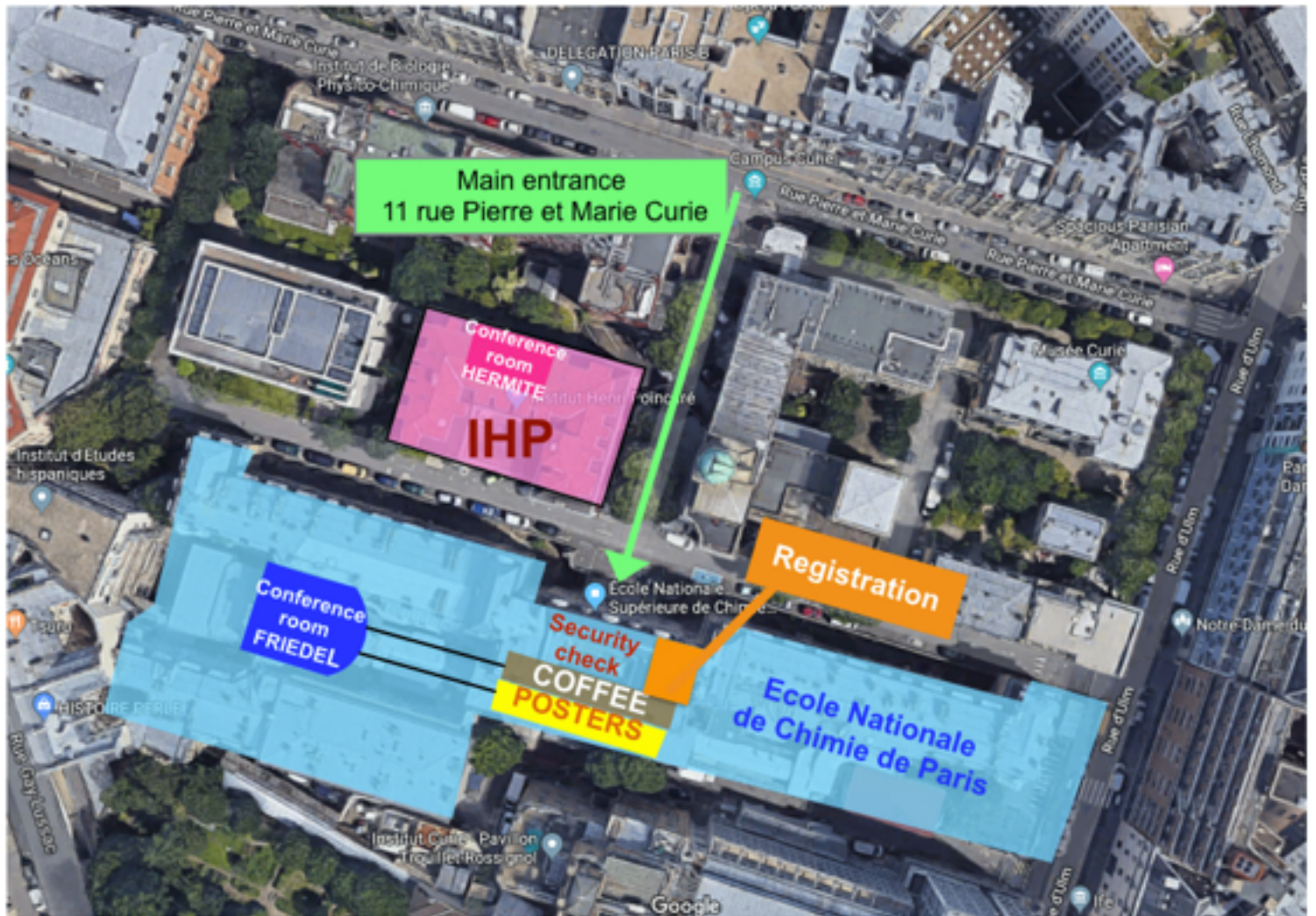
Find your itinerary on the RATP website at : <https://www.ratp.fr/en>

To travel inside Paris

Tickets “T+” can be bought in all metro stations or in buses and can be used in all metro, buses and trams inside Paris (1 unit 1.90€ , 10 units 14.60€)



Conference rooms



Conference room
FRIEDEL

UHECR symposium

Conference room
HERMITE

Mini workshop on future
Friday the 12th 14h-17h30



WIFI

1. Connexion to « ENSCP-GUESTS »
2. Launch browser and connect with
Login : **invitewifi**
Password : **invitewifi252**

Social Event

Visit and dinner at Orsay Museum

Important instructions

The restaurant is accessible only from inside the museum.
Dinner will start at **20h00**

SMOKING



Smoking is not permitted in the museum or in the restaurant, not even on the terrace of the museum.

If you exit the museum, you cannot re-enter for dinner.

The museum warned us against the risk of evacuation of the entire museum in case of smoke in the bathrooms.

BAGS



For security reasons, **no large backpacks or any kind of luggage** are allowed in the museum. Sufficient time is available between the session and the Social Event to drop your bags at your hotel.

If you enter for a **guided tour**, your guide will take you to a dedicated cloakroom where you can leave small bags and coats. This cloakroom will move next to the restaurant, so that you can get your belongings back after the dinner.

If you do a **self guided tour**, you can leave small bags and coats at the general museum cloakroom, but please make sure to **take them back before entering the restaurant**, because this cloakroom **will close at 20h30**.

Social Event

Visit and dinner at Orsay Museum

Address

Musée d'Orsay, 1 rue de la Légion d'honneur, Paris

RER stop : musée d'Orsay on **line C** from St Michel, or bus line 24

Meeting points

For **guided tours**: Bring your voucher card and meet us **at 18h00** at **entrance B**. Join the person with the sign of the same color as your card.

For **self guided** visit : 2 possible options

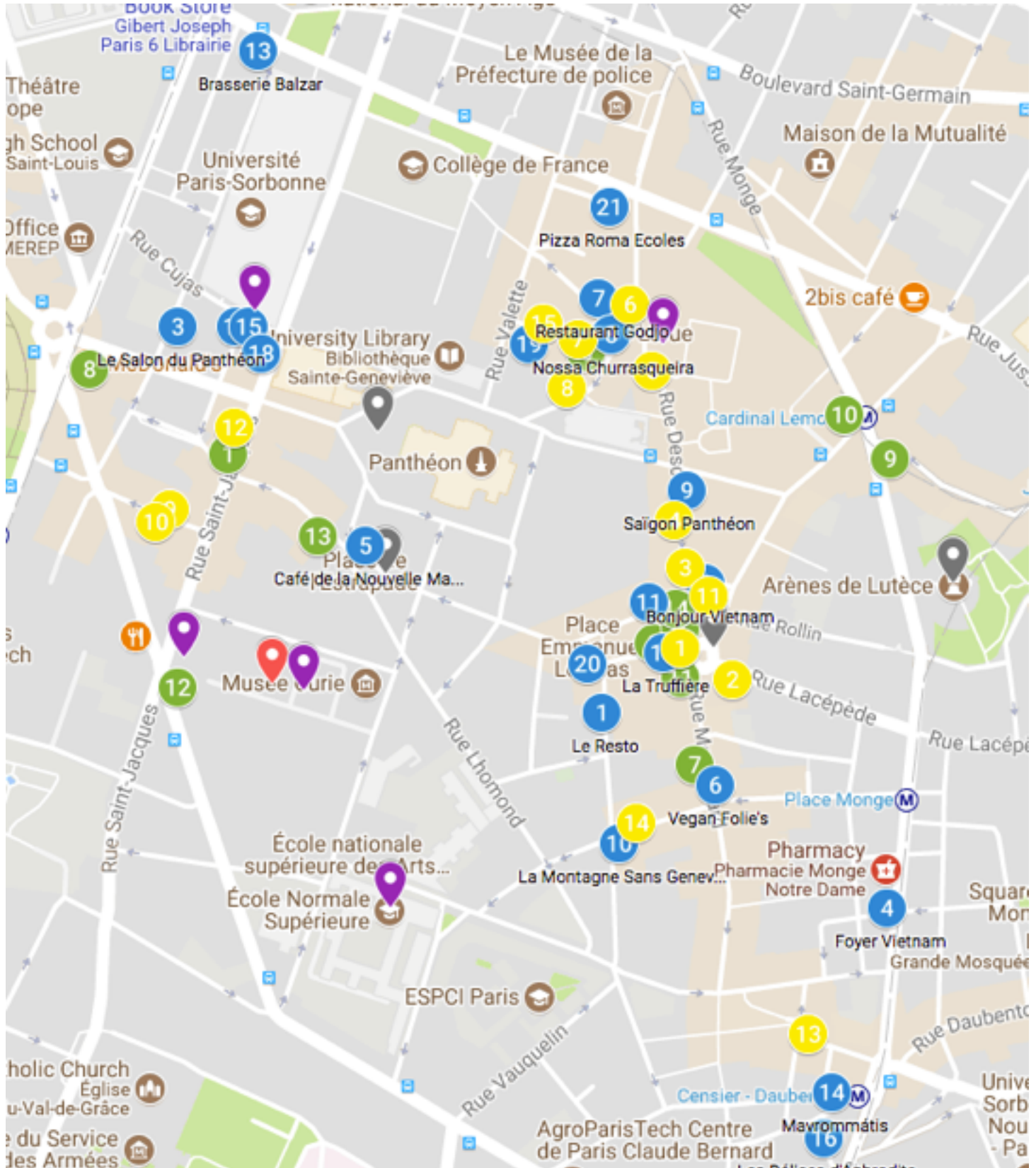
1. Official Museum Tickets can be exchanged against your voucher at the registration desk **Thursday** at the morning coffee break or no later than **15h00**. In that case you can enter anytime **between 18h00 and 19h30** in the museum at **entrance C**.
2. You can meet the LOC members directly at the museum at **entrance B between 18h00 and 18h30**. After that time, the LOC members will be inside the museum.

Please let us know your preferred option at the registration



Direct link <https://tinyurl.com/y9r2yab3>

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Restaurants

- 1 Le Resto
- 2 Bonjour Vietnam
- 3 Le Salon du Panthéon
- 4 Foyer Vietnam
- 5 Café de la Nouvelle Mairie
- 6 Vegan Folie's
- 7 Restaurant Godjo
- 8 Nossa Churrasqueira
- 9 Saïgon Panthéon
- 10 La Montagne Sans Geneviève
- 11 Restaurant Indien Paris - Ambiance de l'inde
- 12 Restaurant Tugalik
- 13 Brasserie Balzar
- 14 Mavrommátis
- 15 Le Così
- 16 Les Délices d'Aphrodite
- 17 La Truffière
- 18 American Corner
- 19 ChantAirelle
- 20 Aux Délices du Liban
- 21 Pizza Roma Ecoles

Bars

- 1 Le Requin Chagrin
- 2 The Wall
- 3 L'antidote
- 4 Pub river
- 5 La Bodega Paris V
- 6 Le Violon Dingue

- 7 Le Piano Vache
- 8 The Bombardier
- 9 Le Crocodile
- 10 Le Pantalon
- 11 Teddy's Bar
- 12 The cellars of the pantheon
- 13 Connolly's Corner
- 14 Brewberry Beer Cellar
- 15 La Tireuse

Food to go

- 1 De Clercq, les Rois de la Frite
- 2 Au Vieux Cèdre
- 3 Crazy Pasta
- 4 Le Cèdre
- 5 Libanese sandwiches
- 6 Casse Croute Grec
- 7 Chez Nicos
- 8 La Brioche Dorée
- 9 Maison Gaumer
- 10 Boulangerie La Parisienne
- 11 Le Marie
- 12 La Boulange
- 13 La Boulangerie Moderne
- 14 L'Essentiel - Anthony Bosson

Agenda

This agenda is subject to minor last minutes changes.
We recommend to check the indico page for the latest version.

Monday the 8th of October

13:00	REGISTRATION	
14:00		WELCOME AND OPENING
14:10	Alan Watson	The Highest Energy Particles in Nature – the Past, the Present and the Future
15:00	Dmitri Ivanov	TA Spectrum
15:25	Valerio Verzi	Measurement of energy spectrum of ultra-high energy cosmic rays with the Pierre Auger Observatory
15:50	Dmitri Ivanov	Auger-TA energy spectrum working group report
16:15	COFFEE BREAK	
16:45	Dmitri Semikoz	Minimal model of UHECR and IceCube neutrinos
17:05	Douglas Bergman	NICHE: Air-Cherenkov light observation at the TA site
17:25	Hans Dembinski	Data-driven model of the cosmic-ray flux and mass composition over all energies
17:45	WELCOME “ WINE and CHEESE (and more) “ COCKTAIL	

Tuesday the 9th of October

9:00	Tony Bell	Particle Acceleration in Radio Galaxies
9:30	Michael Unger	Estimates of the Cosmic-Ray Composition with the Pierre Auger Observatory
9:50	William Hanlon	Measurements of UHECR Mass Composition by Telescope Array
10:00	Alexey Yushkov	Depth of maximum of air-shower profiles: testing the compatibility of measurements performed at the Pierre Auger Observatory and the Telescope Array experiment
10:30	COFFEE BREAK AND POSTER SESSION 1	
11:00	Grigory Rubtsov	Telescope Array search for ultra-high energy photons and neutrinos
11:20	Shigeo Kimura	High-energy emissions from neutron star mergers
11:50	Valentin Decoene	Ultra-high energy neutrinos from neutron-star mergers
12:10	Claire Guépin	Ultra-High-Energy Cosmic Rays and Neutrinos from Tidal Disruptions by Massive Black Holes
12:30	LUNCH BREAK	
14:00	Jon Paul Lundquist	Supergalactic Structure of Multiplets with the Telescope Array Surface Detector
14:20	Björn Eichmann	Ultra-High-Energy Cosmic Rays from Radio Galaxies
14:40	Jonas Heinze	Cosmogenic neutrinos from a combined fit of the Auger spectrum and composition
15:00	Prof. JinLin Han	The most updated results of the magnetic field structure of the Milky Way
15:20	James Matthews	Ultra-high energy cosmic rays from radio galaxies
15:40	Iftach Sadeh	UHECR science with ground-based imaging atmospheric Cherenkov telescopes
16:00	COFFEE BREAK AND POSTER SESSION 2	
16:30	Karen Andeen	Latest cosmic-ray results from IceCube and IceTop
16:50	Charles Jui	The Cosmic-Ray Energy Spectrum between 2 PeV and 2 EeV Observed with the TALE detector in monocular mode
17:10	Andreas Haungs	KASCADE-Grande: Post-operation analyses and latest results
17:30	Vasily Prosin	Primary Energy Spectrum by the Data of EAS Cherenkov Light Arrays Tunka-133 and TAIGA-HiSCORE
17:50	Michael Kachelriess	Transition from Galactic to Extragalactic Cosmic Rays
18:20	END SESSION	

Wednesday the 10th of October

9:00	Andrew Taylor	Ultra High Energy Cosmic Ray Propagation and Source Signatures
9:30	Andrii Neronov	Galactic and Intergalactic magnetic fields
10:00	Markus Ackermann	The extragalactic gamma-ray background above 100 MeV
10:30	COFFEE BREAK AND POSTER SESSION 3	
11:00	John Kirk	Inductive Particle Acceleration
11:30	Ke Fang	Black hole jets in clusters of galaxies as sources of high-energy cosmic particles
12:00	Jaime Alvarez-Muniz	Multi-messenger Astrophysics at Ultra-High Energy with the Pierre Auger Observatory
12:30	LUNCH BREAK	
14:00	Lu Lu	Recent IceCube results - evidences of neutrino emission from the blazar TXS 0506+056 and searches for Glashow resonance
14:30	Agustín Sánchez Losa	Latest results on high-energy cosmic neutrino searches with the ANTARES neutrino telescope
14:50	Lorenzo Caccianiga	Search for a correlation between the UHECRs measured by the Pierre Auger Observatory and the Telescope Array and the neutrino candidate events from IceCube and ANTARES
15:10	Amy Connolly	Overview and results from the first four flights of ANITA
15:30	Arjen van Vliet	The cosmogenic neutrino flux determines the fraction of protons in UHECRs
15:50	COFFEE BREAK AND POSTER SESSION 4	
16:20	Kazumasa Kawata	TA Anisotropy Summary
16:45	Piera Luisa Ghia	Study of the arrival directions of ultra-high-energy cosmic rays detected at the Pierre Auger Observatory
17:10	Jonathan Biteau	Covering the sphere at ultra-high energies: full-sky cosmic-ray maps beyond the ankle and the flux suppression
17:35	Jihyun Kim	A Close Correlation between TA Hotspot UHRCR Events and Local Filaments of Galaxies and its Implication
17:55	END SESSION	

Thursday the 11th of October

9:00	Sergey Ostapchenko	High energy cosmic ray interactions and UHECR composition problem
9:30	Lorenzo Cazon	Measurements and tests of hadronic interactions at ultra-high energies with the Pierre Auger Observatory
9:50	Takashi Sako	Hadronic interaction studied by TA
10:10	Hans Dembinski	Report on tests and measurements of hadronic interaction properties with air showers
10:30	COFFEE BREAK AND POSTER SESSION 5	
11:00	David d'Enterria	LHC results
11:30	Felix rieh	Probing the hadronic energy spectrum in proton air interactions through the fluctuations of the EAS muon content
11:50	Tanguy Pierog	EPOS 3
12:10	Hiroaki Menjo	Recent results from the LHCf experiment
12:25	LUNCH BREAK	
14:00	Fred Sarazin	Overview of the Auger@TA project and preliminary results from Phase I
14:20	Sergio Sciutto	Air showers, hadronic models, and muon production.
14:40	Dennis Soldin	Atmospheric Muons Measured with IceCube
15:00	Pavel Klimov	Results of the first orbital ultra-high-energy cosmic ray detector TUS in view of future space mission KLYPVE-EUSO
15:20	Mario Bertaina	Results from the first missions of the JEM-EUSO program
15:40	Jean-Noel Capdevielle	Leading cluster approach to simulations of hadron collisions with GHOST generator
16:00	END SESSION	
18:00	SOCIAL EVENT AT ORSAY MUSEUM	

Friday the 12th of October

9:00	Eiji Kido	Status and prospects of the TAx4 experiment
9:20	Antonella Castellina	AugerPrime: the Pierre Auger Observatory upgrade.
9:40	Toshihiro Fujii	A next-generation ground array for the detection of ultrahigh-energy cosmic rays: the Fluorescence detector Array of Single-pixel Telescopes (FAST)
10:00	Yuichiro Tameda	Detection of ultra-high energy cosmic ray air showers by Cosmic Ray Air Fluorescence Fresnel-lens Telescope for next generation
10:20	Jörg Hörandel	Precision measurements of cosmic rays up to the highest energies with a large radio array at the Pierre Auger Observatory
10:40	COFFEE BREAK	
11:10	Amy Connolly	In-ice radio arrays for the detection of ultra-high energy neutrinos
11:30	Oliver Martineau	The GRAND Project
11:50	Etienne Parizot	The space road to UHECR observations: challenges and expected rewards
12:10	John Krizmanic	POEMMA: Probe Of Multi-Messenger Astrophysics
12:30	Ralph Engel	Closing and concluding remarks
12:35	LUNCH BREAK	
14:00	<p style="text-align: center;">Future workshop</p> <p style="text-align: center;">(Hermite Amphitheater at IHP)</p>	
17:30	END SESSION	

POSTERS

Poster size:

The panels to fix posters are vertical.

Size is 90 cm x 120 cm.

They can be fixed with drawing pins.

Drawing pins can be provided at registration desk.

Poster session:

The posters will be displayed in the main hall where the coffee break takes place during the whole meeting. Presenters should install their posters according to the following schedule (see the content of each poster session in the indico poster page):

- Posters from session **1, 2 and 3** should be on the panels from **Monday 13h00 to Wednesday at 13h00**
- Posters from sessions **4 and 5** should be on the panels from **Wednesday 13h00 to Friday at 13h00**

We kindly ask to all poster presenters to stand at their poster at least during the coffee break corresponding to their session

