

France

**Summer School:
Physics for both infinities
1-21 July 2018**


优秀硕士

法国

暑期学校

Welcome to
斯特拉斯堡！

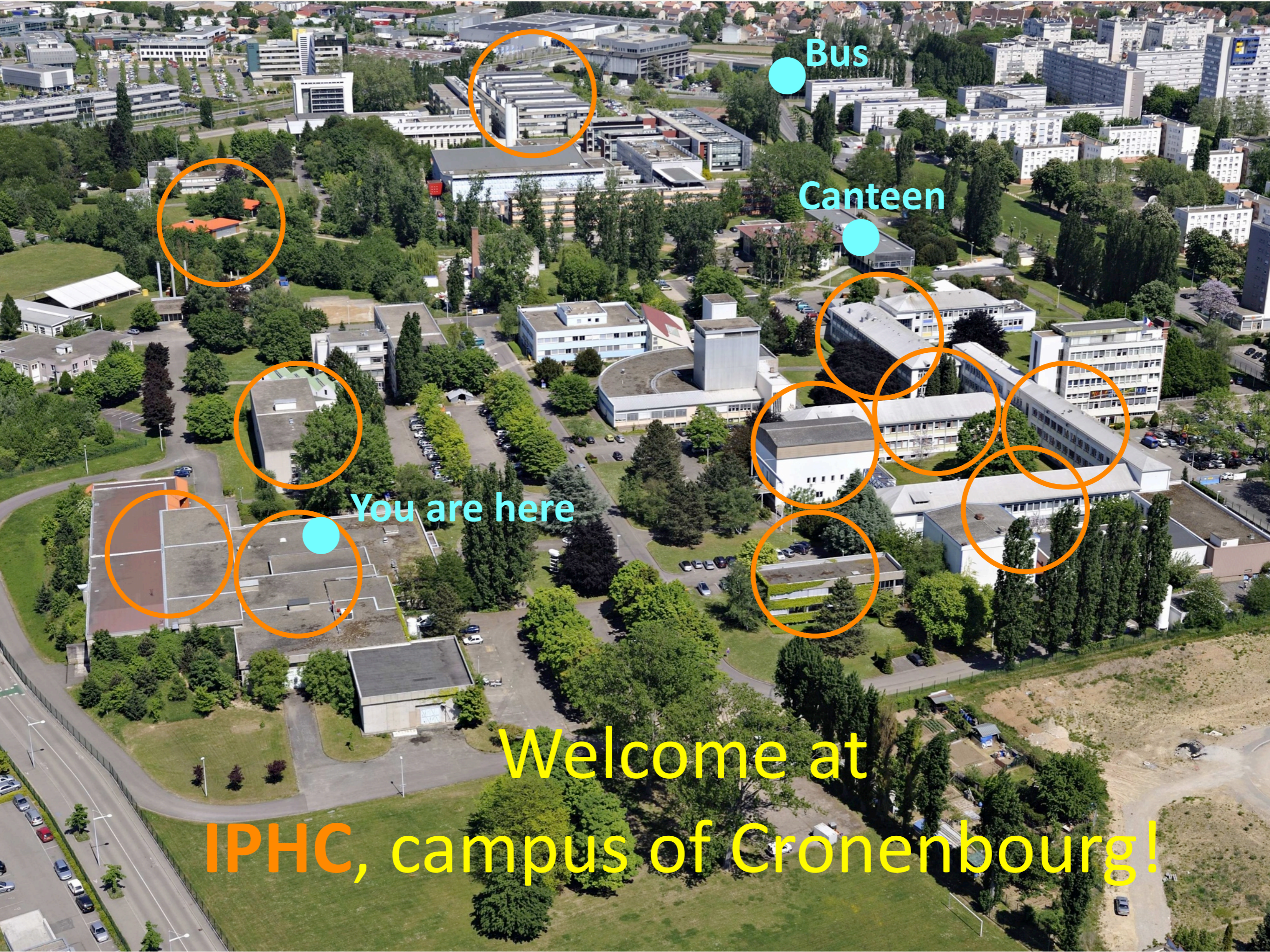
马赛



800 km

Welcome in 阿尔萨斯！





Bus

Canteen

You are here

Welcome at
IPHC, campus of Cronenbourg!

Social activities (1)

- ❖ Friday, July 13: Conference by Jean Duprat (CSNSM Orsay) on
Joint activity with your schoolmates from EEFE of Green Chemistry, at the Institute of Physics, university of Strasbourg (center of Strasbourg).
- ❖ Saturday, July 14:
 - ❖ Free time in Strasbourg and Kehl (Germany).
Reach Kehl in 20 min (from Strasbourg center) with Tram line D, direction Kehl Bahnhof.
 - ❖ Lunch: restaurant Au Bureau (menu: Hamburger), meeting at 01:00 pm.
 - ❖ Diner: winstub Maison Kammerzell (menu: Flammenkuchen), meeting at 20:00 pm.
 - ❖ National day, Fireworks: place de la Bourse at 22:30 pm.



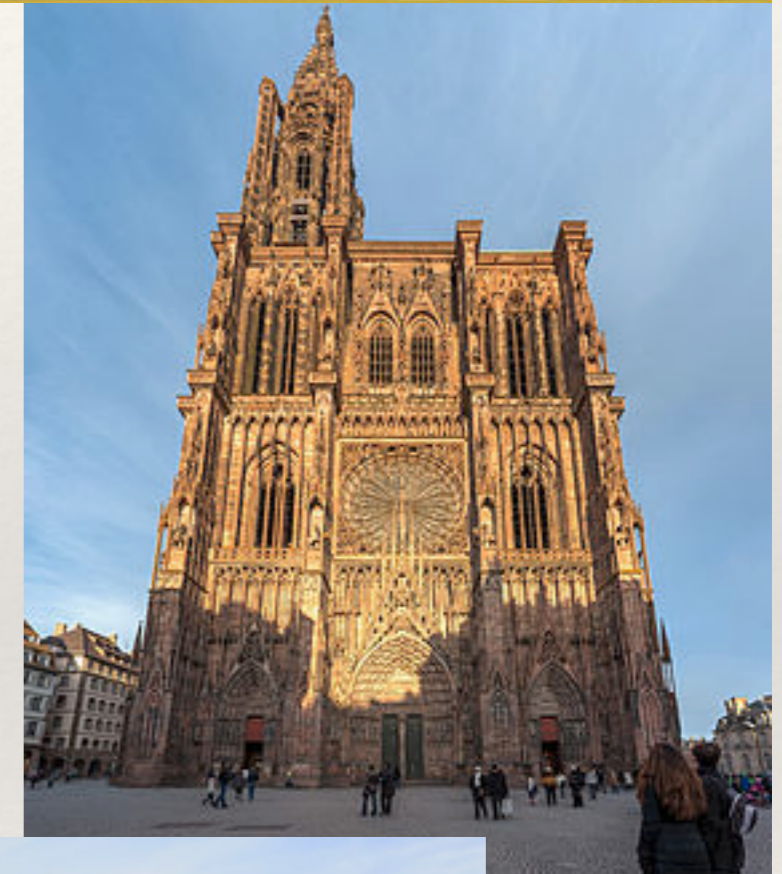
Social activities (1)

- ❖ Sunday, July 15:
 - ❖ Tour by bus on the Alsace Wine Route, visit of the castle Haut-Koenigsbourg, visit and Wine tasting in Cave Bucher in Riquewihr.
 - ❖ 2018 FIFA World Cup Final: at IPHC, with pizza and beer! → **order your favorite pizza!**



Social activities (2)

- ❖ Reception at the City Hall of Strasbourg.
Joint activity with EEFE of Green Chemistry.
- ❖ Wednesday, July 18 afternoon: visit of Strasbourg
 - ❖ Visit of the Cathedral and Boat tour in Strasbourg.
 - ❖ Free time in Strasbourg
 - ❖ Diner: Choucroute at
Maison Kammerzell



Contact persons

- ❖ In case of any urgent issue: **Isabelle Ripp-Baudot**
on WeChat
mail: ripp@in2p3.fr
phone: +33 6 78 75 00 76
- ❖ The organiser team:



Eric Baussan



Eric Chabert



Olivier Dorvaux



Anne-Catherine
Le Bihan



Isabelle
Ripp-Baudot

Timetable

Program EEFE

	Wednesday 11	Thursday 12	Friday 13	Saturday 14	Sunday 15	Monday 16	Tuesday 17	Wednesday 18	Thursday 19	Friday 20	Saturday 21	
8h30												
9h		IPHC presentation	French 2	Free time in Strasbourg/Kehl	Excursion at Haut-Koenigsbourg	French 3	French 4	Accelerator 2	French 5	French 6	Train for Paris	
9h30												
10h		<i>coffee break</i>	<i>coffee break</i>				<i>coffee break</i>	<i>coffee break</i>	<i>coffee break</i>	<i>coffee break</i>		
10h30		French 1	Nuclear physics 1				Particle physics 2	Stellar nucleosynthesis	Physics @ Belle II	Physics @ JUNO		Physics @ CMS
11h00												
11h30												
12h00												
12h30												
13h		<i>lunch</i>	<i>lunch</i>	Lunch @ restaurant "Au bureau"			<i>lunch</i>	<i>lunch</i>	<i>lunch</i>	<i>lunch</i>		<i>lunch</i>
13h30												
14h00		Particle physics 1	Neutrino physics				Reserch project 2	Visit of Cathedral, Boat tour, Free time in Strasbourg, Dinner at Winstub	Tracking with silicon detectors	Research project presentation		
14h30												
15h00		<i>coffee break</i>	<i>coffee break</i>	Free time in Strasbourg/Kehl		Research project 1	<i>coffee break</i>			Nuclear data for nuclear power		
15h30												
16h00		Accelerator 1	Nuclear physics 2				Research project 2					
16h30												
17h												
17h30		Research project: introduction			FIFA World Cup Final	Reception at the city hall				Research project : report preparation	<i>coffee break</i>	
18h											Research project presentation	
18h30			<i>dinner</i>									
19h												
19h30	Welcome reception @ Art café											
20h		<i>dinner</i>	Conference: Jean Duprat	Winstub dinner: Kammerzell								
20h30						<i>dinner</i>	<i>dinner</i>		<i>dinner</i>	<i>dinner</i>		
21h												

Lecturers in Particle Physics

All email addresses: firstName.lastName@iphc.cnrs.fr

Neutrino Physics, JUNO experiment Accelerator physics



João PEDRO ATHAYDE
MARCONDES DE ANDRÉ
jpandre@iphc.cnrs.fr
Research Project



Marcos DRACOS
*Lecture on
Wednesday
July 18*



Eric BAUSSAN
*Lectures on Thursday and Friday
July 12-13
& Research Project*

LHC Physics CMS experiment



Anne-Catherine LE BIHAN
Lecture on Friday, July 20

Tracking, ILC experiment



Auguste BESSON
Lecture on Friday, July 13

Flavor Physics, Belle II experiment



Jerome BAUDOT



Isabelle RIPP-BAUDOT
*Lectures on Friday+Monday
July 13+16*

Lecturers in Nuclear Physics

All email addresses: firstName.lastName@iphc.cnrs.fr

From nuclei to stars



Sandrine COURTIN

*Lecture on Tuesday
July 17*



Olivier DORVAUX

Research Project



Gilbert DUCHENE

*Lecture on Thursday
July 12*

Theoretical nuclear physics



Herve MOLIQUE

*Lecture on Friday
July 13*

Spectrometry



Jean DUPRAT

*Conference on Friday
July 13*

Nuclear data for nuclear power



Greg HENNING

*Lecture on Thursday
July 19
+ Research Project*

- ❖ WiFi connection:
 - ❖ Eduroam
 - ❖ SSID **IReS-Conference** with Login = and password =
- ❖ Slides of the lectures are accessible on the Indico site: <https://indico.in2p3.fr/event/17225/>
- ❖ Vademecum provided with some useful information: meeting points, transportation, ...
- ❖ Tram & bus tickets are provided.
- ❖ Your badge is needed for breakfast & diner at FEC.
Lunch: **starts at 7:45 am**. A bit short to go and arrive at 9:00 am at IPHC → you must hurry a bit.
Diner: **between 6:45 pm and 8:45 pm**
- ❖ **Medical emergency: dial 112 (European number)**

❖ Student evaluation:

- ❖ Asked by the Embassy, with grades A, B, C in the perspective of a possible pursuit as a PhD student, in France or elsewhere (China or another country):
 - ❖ Diligence on attending the courses
 - ❖ Scientific specialty
 - ❖ Scientific level
 - ❖ Independence
- ❖ Will be done jointly with Marseille.

❖ Photo contest:

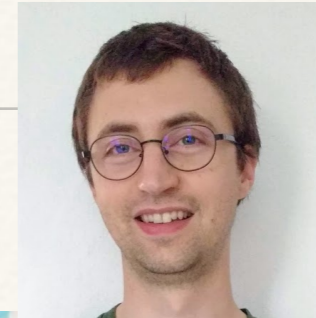
- ❖ Criteria: beautiful, original, funny, unusual, ...
- ❖ Participation: up to 2 pictures /person
- ❖ Upload your 2 favorite pictures with password [redacted] on:
[redacted]
- ❖ Students and teachers will participate to the vote.

❖ 4 Research projects proposed:

- ❖ Calibration, resolution and efficiency of gamma-ray detectors

Instrumentation / Nuclear physics

Tutor: Grégoire HENNING.



- ❖ Characteristic comparison of different photon detectors

Instrumentation / Nuclear physics

Tutor: Olivier DORVAUX.



- ❖ JUNO: Absolute calibration of a Photomultiplier

Instrumentation / Particle physics

Tutors: Eric BAUSSAN and João Pedro ATHAYDE MARCONDES DE ANDRÉ.



- ❖ ROOFit & Flavour physics Project

Software / Particle physics

Tutors: Jérôme BAUDOT and Reem RASHEED

❖ Work on research projects:

- ❖ with help from the tutors

2 x3h, on Monday pm and Tuesday pm, July 16-17.

- ❖ On Thursday pm, July 19: **prepare the presentation** of your work.

- ❖ On Friday pm, July 20: each group **presents its work** in front of tutors and other students.



Once again:
welcome to 斯特拉斯堡

and I wish you a fruitful and enjoyable school!