

Welcome to

21st Conference on Flavor Physics and CP violation

May 29 – June 2, IP2I, Lyon

<https://indico.cern.ch/e/FPCP2023>



Scientific Programme

- + Heavy quark decays and CKM
- + Rare decays of hadrons and leptons
- + Kaon physics
- + Neutrino physics and PMNS
- + CP violation in hadrons and leptons
- + Exotic quarkonium-like states
- + Flavor and the Higgs
- + Future facilities
- + Muon $g-2$
- + Flavor and Dark sectors
- + Interplay between flavor and high- p_T physics at the LHC



Organizing Committee

Local Organizing Committee

Marcella Bona

Alexandre Carvunis

Nicolas Chanon

Giancarlo D'Ambrosio

Aldo Deandrea

Sevda Esen

Martin Jung

Patrick Koppenburg

Nazila Mahmoudi

Yann Monceaux

Siavash Neshatpour

Elisabetta Pennacchio

Isabelle Ripp-Baudot

Justine Serrano

Eluned Smith

Danny van Dyk

Members of IAC present at the conference:

Jake Bennett

Anjan K. Giri

Gudrun Hiller

Francesca Di Lodovico

Nazila Mahmoudi

Contact:

fpcp2023@ip2i.in2p3.fr



For any practical or technical questions

Ask **Nazila**, or approach:

Alexandre



Yann



Practical Information

Plenary talks: Amphi Dirac (this room)

Parallel talks: Amphi Dirac, Room 27, Room 30

Please upload your slides via indico, or email to Alexandre (a.carvunis@ip2i.in2p3.fr)

Work/Discussion room: Room 30

Coffee breaks: Salle APPN (next building)

Conference picture: Thursday 10:30 am

Wifi: eduroam

conference internet:

Network name: **conference**

User name: **fpcp2023**

Password: **ZHob9j#f**

Safety: Please wear your badge at all times in the building



Lunches

Monday: Salle APPN

Tuesday-Thursday: Domus Restaurant at **12:45** sharp!

We will go all **together** to the restaurant



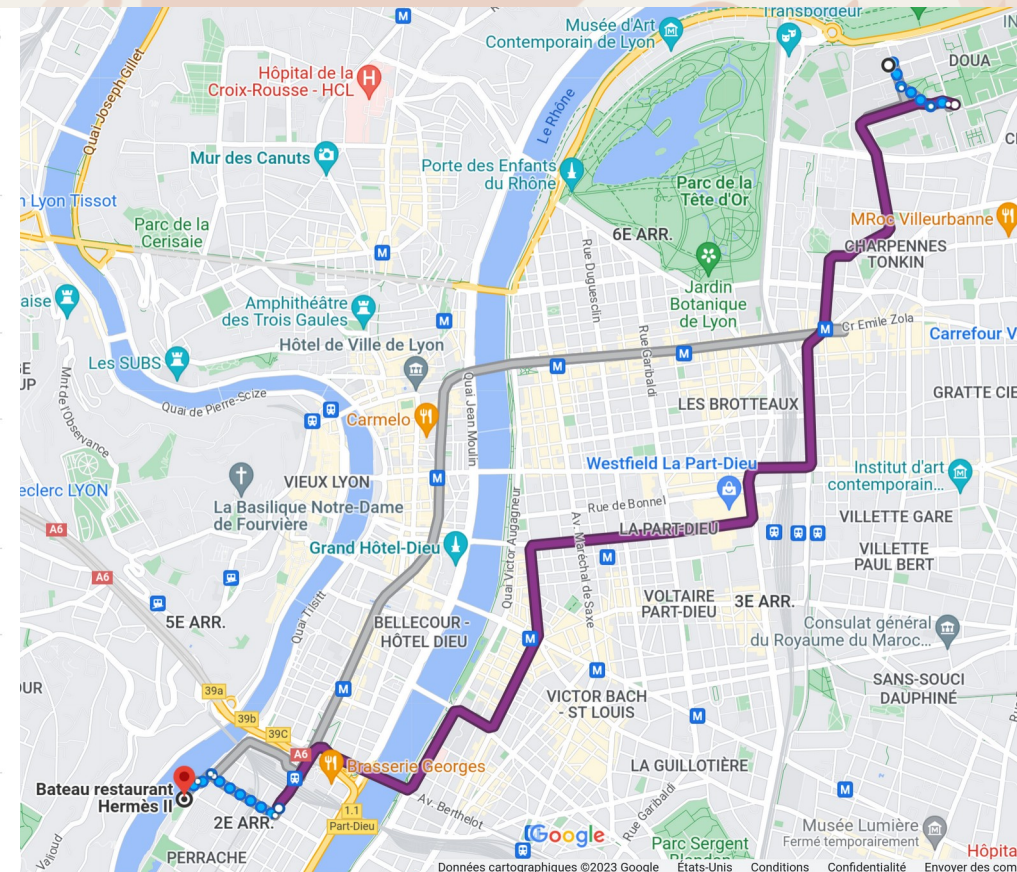
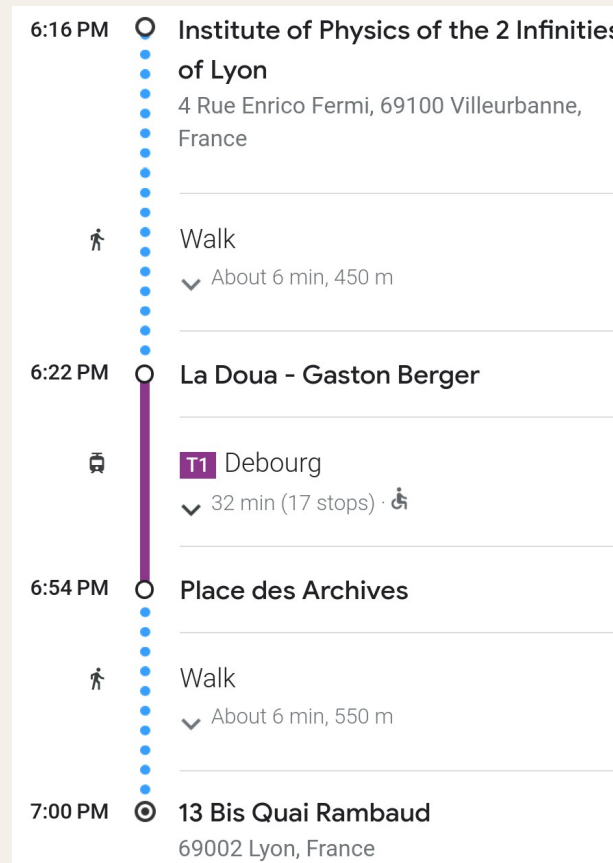
Friday: Salle APPN

Welcome Drink: Tuesday 6.30-8.00 pm, 4th floor of this building

If you have not registered and would like to participate, approach the registration desk

Thursday 7-11 pm

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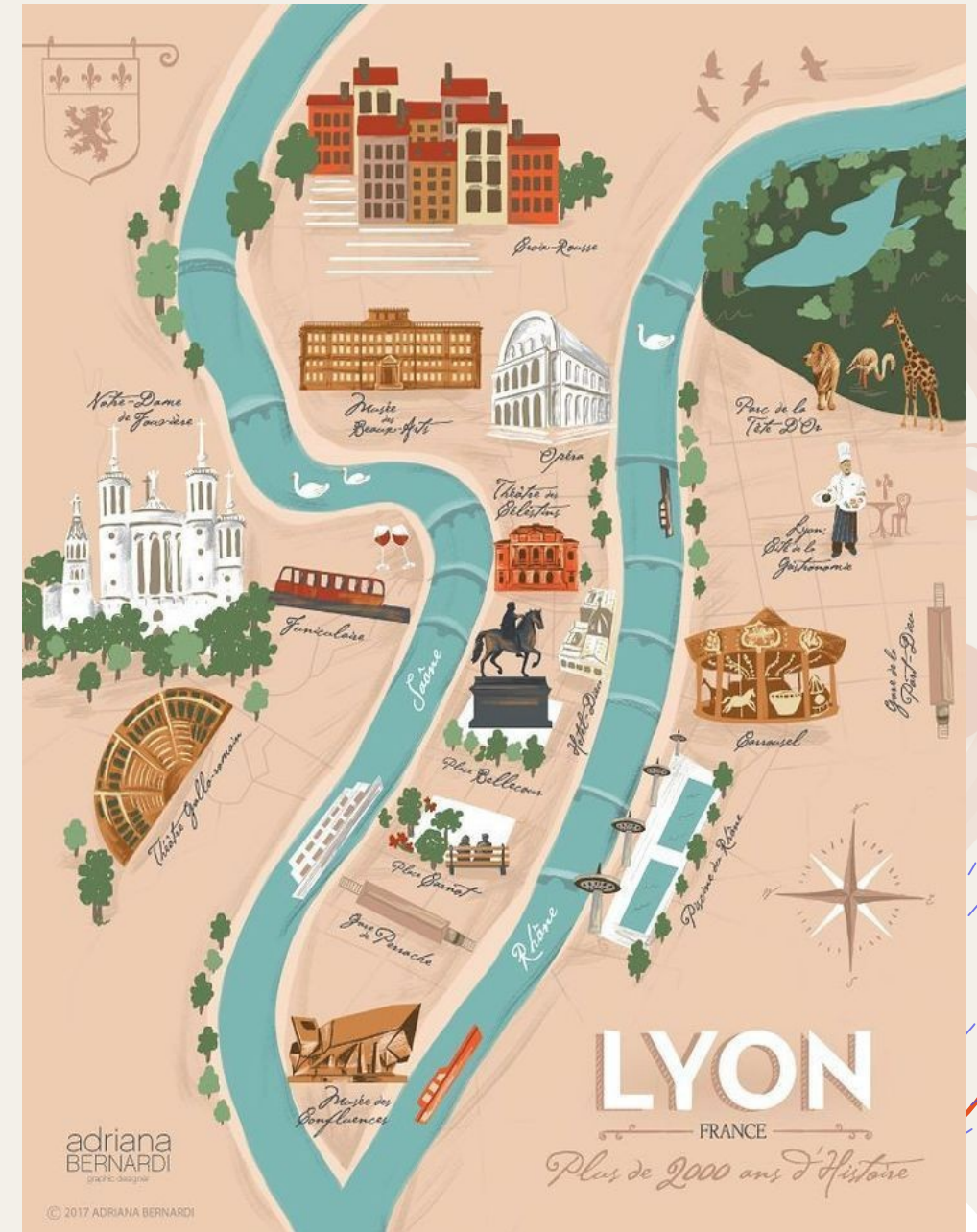


Lyon

- o UNESCO World Heritage Site
- o Renowned **gastronomic capital of France**,
- o Second largest urban area of France,
- o Birthplace of cinema, the French “**city of lights**”

Key attractions:

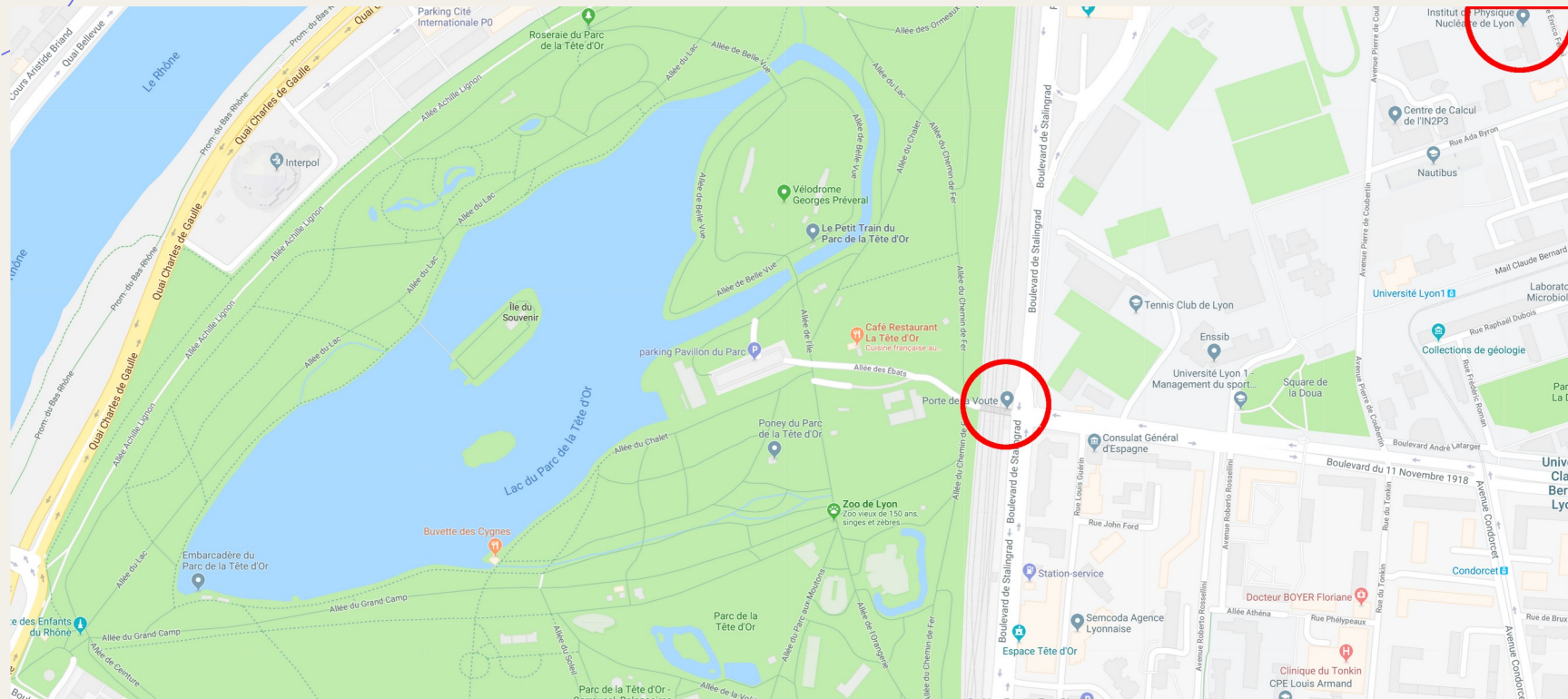
- Bouchons
- Fourvière
- Parc de la Tête d'Or
- Musée des Confluences
- Vieux Lyon
- Place Bellecour
- Place des Terreaux
- ...



Parc de la Tête d'Or

10 minutes walk from IP2I

Zoo, botanical garden, lake, ... free entrance



Lyon University

The Université de Lyon is a world-class academic site of excellence



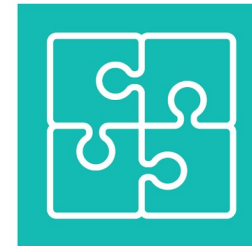
12 MEMBER INSTITUTIONS
25 ASSOCIATED INSTITUTIONS



172 LABORATORIES
300 families OF ACTIVE PATENTS
€124.6M annual revenue in
COLLABORATIVE RESEARCH



140,000 STUDENTS including
20,000 FOREIGN STUDENTS
6,800 RESEARCHERS
& teacher-researchers



3 MAIN RESEARCH FIELDS
Biohealth & Society, Science &
Engineering, Humanities & Urbanity



17 DOCTORAL SCHOOLS
5,100 PHD STUDENTS
1,000 THESES
defended each year



8 ACADEMIC COLLEGES
Arts, Culture, Design & Architecture | Literature,
Languages & Philosophy | Social Sciences | Law,
Economics & Management | Education, Cognition &
Language | Formal Sciences & Natural Sciences |
Life & Health Sciences | Engineering & Technology.

Institute of Physics of the 2 Infinities (IP2I)

Joint research unit the CNRS and Lyon University



IN2P3

Institut national de
physique nucléaire
et de physique des
particules du CNRS



Université
Claude Bernard Lyon 1



IP2I, an overview

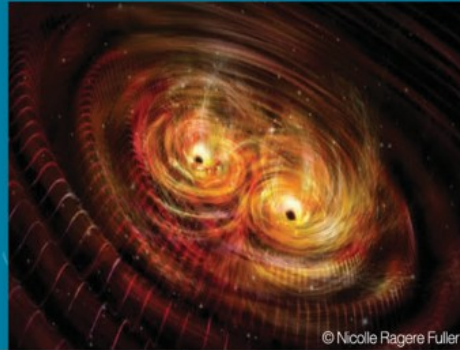
The laboratory is composed of about 260 people

The research activities are structured in four thematic poles:

- + Infinitely small
- + Infinitely large
- + Theory
- + Interdisciplinary sciences



© David Parker



© Nicole Ragere Fuller

Physique des particules
Physique hadronique
Physique nucléaire
Science des radiations
Antimatière

Mécanique
Électronique
Informatique
Accélérateurs
Métrologie COFRAC

Neutrinos
Astrophysique
Cosmologie
Ondes gravitationnelles

o IP2I major partner in particle physics at CERN.
The proximity of CERN (~130 km from Lyon) implies a partnership which has been established since the early times of IP2I

o IP2I also involved in the Fermilab physics program in the US, such as D0 in the past and now in DUNE.

o IP2I initially involved in VIRGO, Italy but is now world-wide spread: LIGO located in USA, KAGRA in Japan, future INDIGO in India

o Also very active in Cosmology and dark matter exp.

O IP2I has a large theoretical group

Proceedings

The proceedings of the workshop will be published online by
Proceedings of Science

The procedure for submission and the required style-file is describe on
<http://pos.sissa.it/POSAuthors.html>

The deadline for submitting contributions is **15 July 2023**

Authors will receive login information from the workshop organisers.



Enjoy the Conference!

