
Welcome to the 20th edition of the Beauty Conference series in Clermont-Ferrand

Régis Lefèvre and Stéphane Monteil, on behalf of the local organising committee

The Region, The City, The University, The Laboratory



The University

- University founded in early XIIIth century
- The modern form emerged back in the XIXth century.
- Multidisciplinary University with about 35 000 students.
- Merger in 2017 of {Science, Humanities} & {Medicine, Law, Eco}



The Laboratory

- LPC stands for Laboratoire de Physique de Clermont.
- Co-funded by University and CNRS (IN2P3).
- About 70 physicists (faculty and CNRS), 60 Engineers and technicians and about 30 PhD students and Post-docs.
- Fundamental Science: Particle Physics and observational Cosmology.
- Applied Science: health, environment, plasmas.

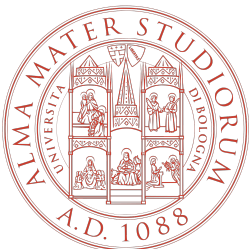


The Laboratory scientific expertise.

- **Flavour Physics** at LPC since early times of the **ALEPH** experiment at LEP.
- Particle Physics teams are members of **ATLAS** (top Physics, from mass measurement to top Yukawa coupling), **LHCb** (radiative decays, charmless b -hadron transitions, open-charm b quark transitions) and **ALICE** (muon spectrometer, Upsilon and Z reconstructions) experiments.
- Phenomenological interpretation of the Flavour data: **CKMfitter**.
- Also lepton flavour experimental contributions: **SoLid** experiment, **COMET** experiment.
- Detector and physics studies intended to **future e+e- colliders**.
- **Theory**: phenomenological activities in LQCD, cLFV, B anomalies.

The University programs

- Teaching High Energy Physics in Clermont is rooted back in times (First lectures are dating from 1955).
- We have nowadays a national Master program of High Energy Physics and Observational Cosmology, that has been complemented with an international Master program.
- The latter is called iMAPP (International Master on Advanced methods for Particle Physics) and features a happy, entangled collaboration of the Bologna (UNIBO), Dortmund (TUDO) and Clermont (UCA) Universities.
- This master program was selected in the Erasmus Mundus call by the European Union in 2022. First intake starting to study in September 2023! Hopefully you'll see students from this program in your lab soon enough.



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Université
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Beauty 2023

Clermont-Ferrand, France
3-7 July 2023

International Advisory Committee

Giuseppe Bruno, Politecnico and INFN Bari
Kai-Feng Chen, National Taiwan University
Svjetlana Fajfer, University of Ljubljana and JSI
Fernando Ferroni, Università La Sapienza Roma
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Takeo Higuchi, Kavli IPMU, University of Tokyo
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Lunches and Coffee breaks

- A french prejudice: rich conversations happen while eating together.
- Each lunch, we'll get seated and served at La Table de Dyonisos, at a stone's throw (interesting wording those days) away. Just follow the herd.
- Coffee breaks:
 - In front of the amphitheater.
 - We are benefitting of the small room around the corner.
 - The building welcoming us is dedicated to humanities labs. Since people are working around, we shall behave and be reasonably-loud arguing about the results delivered.
 - Fresh air (a.k.a. smoking corner) downstairs.

Outreach events

- The youngster's crew of the local organising committee has planned two outreach events: Pints of Science (Tuesday) and a public conference (Thursday).
- The former might be of interest from some french-speaking of you. It will happen in a micro-brewery downtown. The audience asks questions ; some scientist of us are trying to bring answers to them.
- Not a single clue of what will be the audience. First organisation of such a setting.
 - The place is cosy and tiny.
 - The only guaranteed educational outcome will be the locally-brewed pints of beer.

Conference dinner

- We're going after excursions to the Plateau de Gergovie, where Caesar's troops were allegedly defeated by the Arvern tribes (led by Vercingétorix)



There must be a restaurant here. At least, we booked one



- We have foreseen astronomical observations from the plateau, right after the dinner:
 - nothing exceptional in the sky this wednesday.
 - very likely that there is no sky to observe neither.
 - our astronomer guides will have a free meal.

We wish you all an enjoyable Conference

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