

Top LHC France 2022



9-10 May 2022, IP2I Lyon



Top LHC France 2022 at IP2I Lyon

Goal of the meeting:

- **1.5 day workshop**: topics covering french community contributions to top quark physics:
 - Standard Model, connection with B-physics, Top and Higgs, Effective Field Theory, beyond the SM and future prospects...
- This year, in person. Meant to favour **informal discussions**:
 - Do not hesitate to ask questions
 - There is time for discussions
- Enjoy the dinner in a **Bouchon Lyonnais**!
- Any questions on **local organisation**: ask Nicolas, Stéphanie or Giacomo

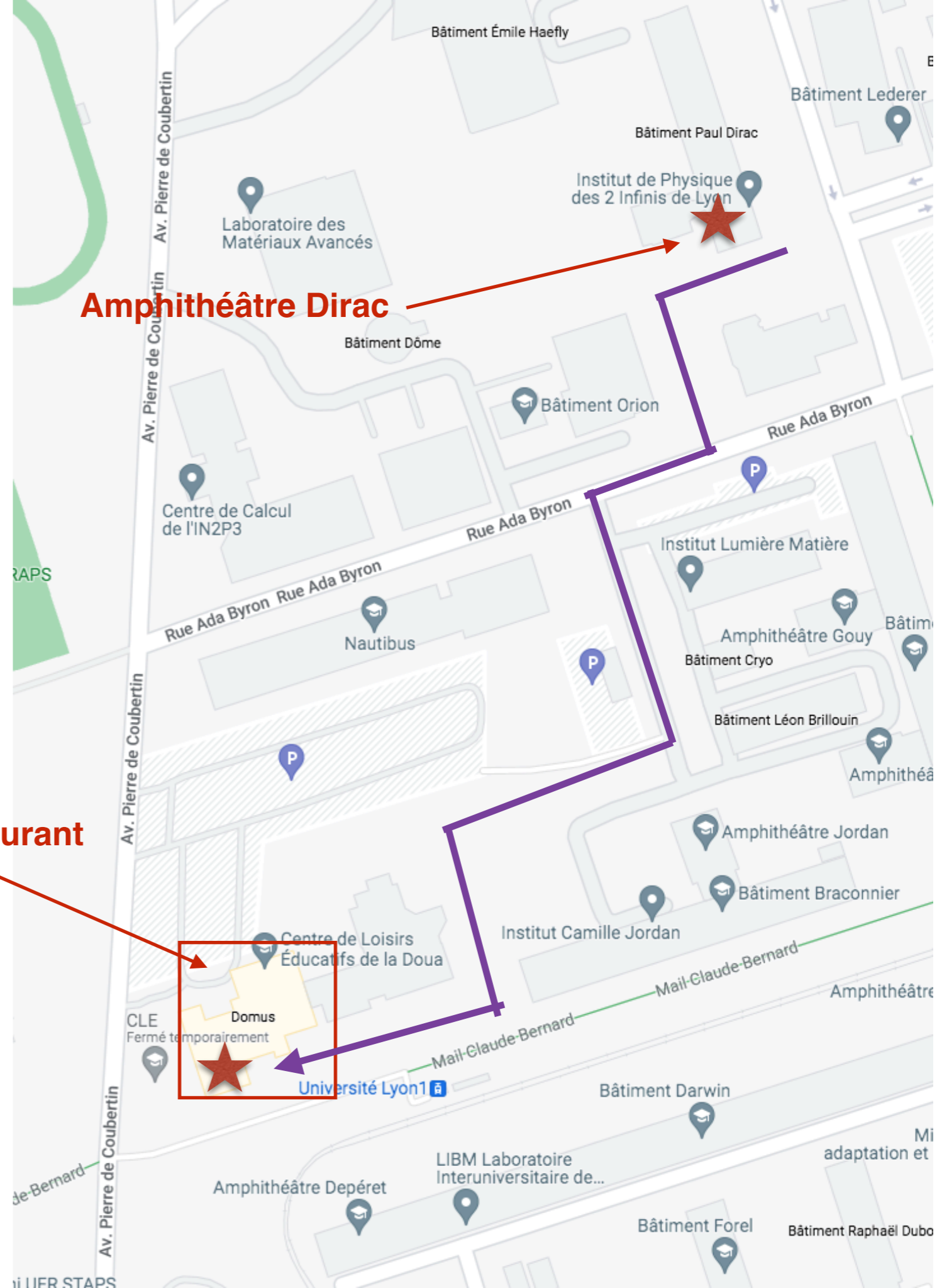
Thanks to the financial support from IP2I and CMS France.

The site

Lunch:

- at Domus restaurant,
- we are expected to arrive at 1pm
- no dedicated room
- each participant pay for his/her own lunch

Restaurant



Agenda

<https://indico.in2p3.fr/event/25794/timetable/#all.detailed>

lun. 09/05

14:00	introduction	14:00 - 14:15
	Theory aspects of flavour anomalies	<i>Darius Faroughy</i> 14:15 - 14:40
15:00	High pt searches related with top relevant for the flavour anomalies	<i>Chris Pollard</i> 14:50 - 15:15
	Statut of 4top experimental results in ATLAS and CMS	<i>Mathis Kolb</i> 15:25 - 15:50
16:00	Coffee break	16:00 - 16:25
	b-fragmentation in ATLAS and CMS	<i>Frederic DERUE</i> 16:25 - 16:50
17:00	Simulation top madgraph EFT	<i>Ken Mimasu et al.</i> 17:00 - 18:00
18:00		
19:00		
20:00	Workshop dinner : café des fédérations	20:00 - 21:30
21:00		

mar. 10/05

09:00	Exploring CP violation in ttH events at the LHC	<i>Laurent Schoeffel</i> 09:00 - 09:20
	ttH results in ATLAS and CMS	<i>Neelam Kumari</i> 09:30 - 09:50
10:00	ttbar spin correlation and EFT	<i>abdellah Tmourji</i> 10:00 - 10:20
	Coffee break	10:30 - 11:00
11:00	Dark matter top-philic theory and composite models	<i>Lara Mason</i> 11:00 - 11:20
	Resonance VLQ single production	<i>Stephanie Beauceron</i> 11:30 - 11:50
12:00	Resonance VLQ pair production	<i>Angela Burger</i> 12:00 - 12:20
	Lunch	12:30 - 14:00
13:00		
14:00	Displaced tops	<i>Robin Ducrocq et al.</i> 14:00 - 14:20
	Composite models	<i>Giacomo Cacciapaglia</i> 14:30 - 14:50
15:00	Lorentz invariance violation in ttbar	<i>Nicolas Chanon et al.</i> 15:00 - 15:20
	Coffee break	15:30 - 16:00
16:00	New top results on HL-LHC for snowmass	<i>Nedaa-Alexandra Asbah</i> 16:00 - 16:20
	top at future e+e- colliders	<i>jeremy andrea</i> 16:30 - 16:50

Dîner



Rdv this evening at 20:00

<http://restaurant-cafedesfederations-lyon.com>

9 rue Major Martin, Lyon 1

Each participants will pay separately.

How to reach the restaurant?

Tram T1/T4 : Université Lyon 1 => Charpennes

Métro A : Charpennes => Hôtel de ville (Terreaux)