# PhysTeV 2023 - session 1





















Welcome!

## PhysTeV: history in a nutshell

A series of workshops that started in 1999. This is the **12th edition** 

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 1999: 65 participants, 1 session, 2 weeks
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- 2005: ~170 applications, 3 weeks
- 2007: ~300 applications
- 2009 today: 200-250 applications, 2 sessions

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- 2021: covid! → only few zoom sessions
   (+ "wishlist" update + "unbinned differential cross sections")
- 🕨 2023: Finally 🎉 🎉 🎉

## Aim and format of the workshop

- Bringing together theorists and experimentalists working on several aspects of phenomenology at TeV colliders and other experiments.
- Collaborations, intense discussions and brainstorming. Formal talks kept to a minimum, informal presentations encouraged.
- Unique opportunity: ~10 days of informal TH/EXP discussions facing Mont-Blanc.
- There's no predefined agenda: feel free to suggest new ideas!
- "important cornerstone of our field!", "...Les Houches has truly made a difference to our field"
  - Avoid a succession of formal, normal talks!

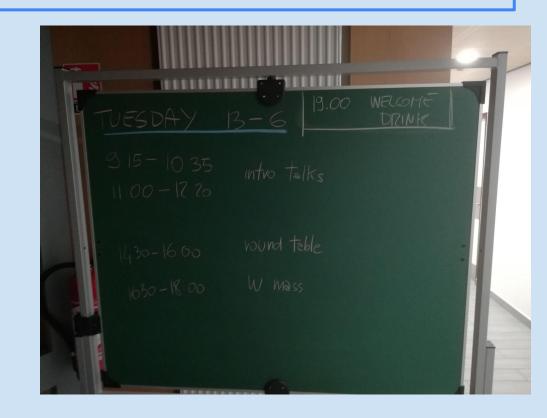




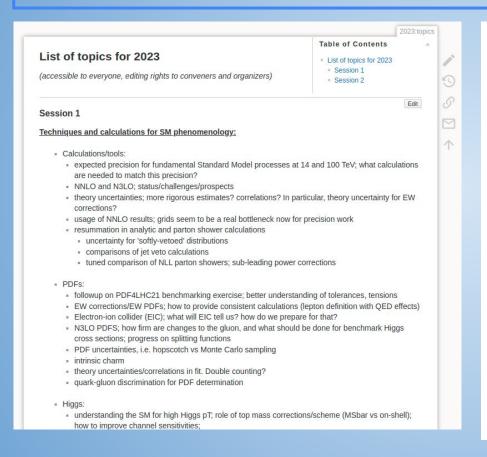


## Programme

- Updated daily: check the wiki pages, and the board in the entrance hall, close to the auditorium
- The success of the workshop ultimately depends on you....
- Discuss, brainstorm, have fun!



### Thanks to the conveners for their role!



12h30-14h30	Lunch break		LH Restaurant
14h30-16h00	Round Table	All	Auditorium
16h00-16h30	Coffee break		Lounge in Main Building
16h30-18h00	W mass		Auditorium
19h00-19h30	Welcome Drink		LH Restaurant
19h30-	Dinner		LH Restaurant

#### Wednesday 14 June

09h00-11h00	Jet flavour discussion with short talks	XXXX	Auditorium
11h00-12h30	VBF studies	XXXX	Auditorium

#### Thursday 15 June

09h00-10h00	Grids	XXXX	QCD room	
11h00-12h30	Fiducial multiboson cross sections (VBF/VBS)	XXXX	QCD room	

#### Friday 16 June

09h00-10h00	EW uncertainties	XXXX	QCD room

#### Sunday 18 June

## Wiki pages - slack - wifi

- you should all have a wiki account, right?
- 2023:participants:start: access to emails and mailing lists for session 1
- editing rights within the WG webpages: 2023:groups:smhiggs:start ,
  2023:groups:smpheno:start , 2023:groups:smjets:start , 2023:groups:smtools:start
- if needed, I'll give you credentials to modify also the main public pages.
- WGs are not carved in stone: if you want to be added/removed, drop me a line
- Slack channel: check here → 2023:participants:use\_wiki\_2023
- Eduroam & wifi-campus: contact us if you have problems

#### Discussion rooms

- Auditorium: 70 people
- "QCD" room: ~20 people
- Library: max 30 people

→ For massive chairs re-arrangements, let us know.

<u>Projectors</u>: ask local organisers (Emanuele, Cedric) Library and auditorium equipped.

Room booking: use the board outside the auditorium + wiki

## Discussion rooms and corners



**Library** 

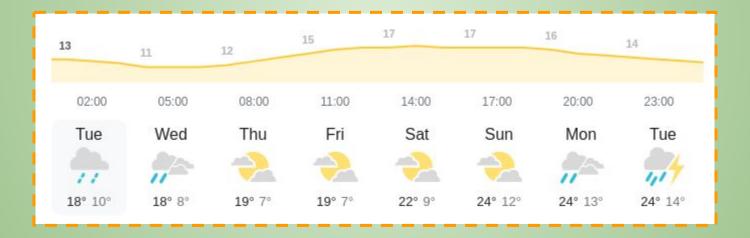
### **QCD** room





## Weather

- You have all arrived dry!
- Forecast:



#### Weather

In a letter to DeWitt-Morette, Freeman Dyson wrote:

"As I remember it, the school was an overwhelming experience. We were sharing every waking hour with a bunch of ebullient young people ... But the lectures were the least important part of the school. Much more memorable were the informal sessions, the meals and the walks, the daily hardships of mud and rain we all shared ... We all lived together in a cowshed and gave lectures in a barn ... living together under primitive conditions is a wonderful way to make friends. Bad weather makes friendships closer."

## Restaurant, coffee breaks, Bar

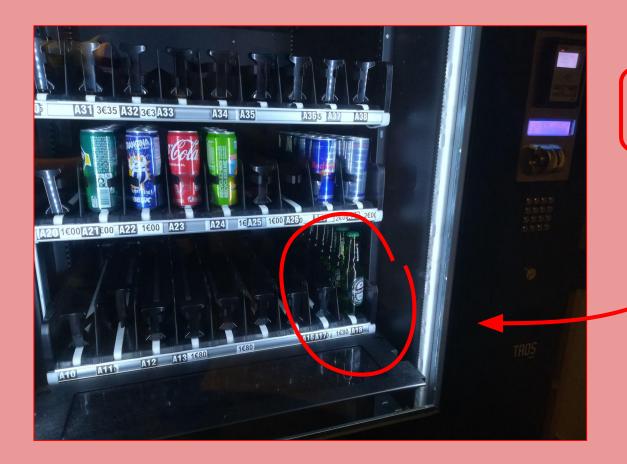
- Breakfast: 7.45-8.45
- <u>Lunch</u>: 12.30 SHARP. <u>Coffee/tea free</u> after lunch, at the restaurant.
- <u>Coffee breaks</u>: <u>coffee/tea free</u>, wash your cup.
  Sodas <u>not free</u>, settle the bill with the secretary before departure!
- <u>Dinner</u>: 19.30 SHARP. A bottle of wine per table is <u>offered</u>.
  After dinner: bar + table tennis, table soccer, piano, chess

Have fun, have a few beers → A18 situation!!!

• <u>Lunch boxes</u>: order them the night before (notebook in the restaurant)

Welcome drink: today 19.00 @ Bar

Monday 19 June: workshop dinner



The "A18" situation



#### Secretariat at the Centre

Open 08.45 - 12.30 and 13.30 - 17.30 (closed during weekends)

## Emergency contacts:

- 1. Emanuele (FR): +33 7 68 22 86 21
- 2. Emanuele (IT): +39 351 602 7223
- 3. Cedric (FR): +33 6 69 71 72 18
- 4. Philippe (FR): +33 6 77 78 05 98
- 5. Serious emergency: Patrick Mendes (caretaker): +33 6 78 98 52 40

[info updated on the wiki pages]

### **Outdoor activities**

- We are in a quite spectacular place, enjoy it.
- Hiking and mountain-biking possible

#### Mountain activities are at your own risk!

Before any hike or climb, please put a note in the log book by the pigeon holes:

- participants, itinerary, planned return time.
- write down your mobile phone number.
- If possible, inform an organiser.
- Sunday (or Saturday) will be a day off



### Thanks to...

As organisers, Cédric, Björn and I have to thank:

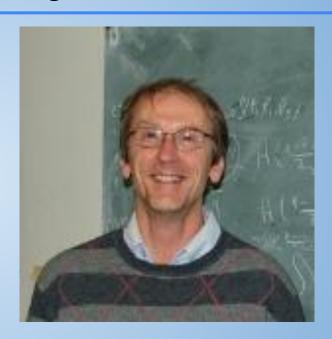
- Dominique, Véronique, and Virginie at LAPTh
- Elsa, Marina and Isabel here at the Ecole

...but, first and foremost...

# A huge thank you goes to:

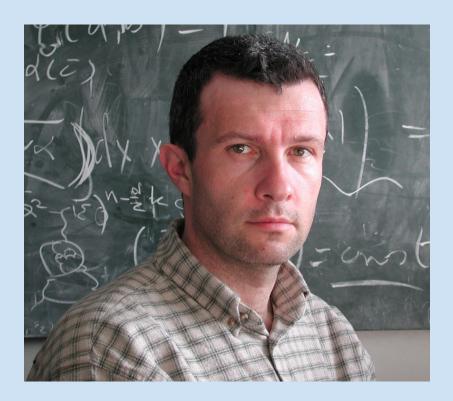


Fawzi



Jean-Philippe

## In memoriam: Éric Pilon, CNRS researcher at LAPTh



Merci Éric!