

PhysTeV 2025 - session 1

Welcome!



PhysTeV: history in a nutshell

A series of workshops that started in 1999. This is the 13th edition

- 1999: 65 participants, 1 session, 2 weeks
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- 2005: ~170 applications, 3 weeks
- 2007: ~300 applications
- 2009 - today: 2 sessions, 60-70 participants per session
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- ~~● 2021: covid → only few zoom sessions~~
- 2023: almost covid free

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!



Les Houches Spirit





Les Houches Spirit





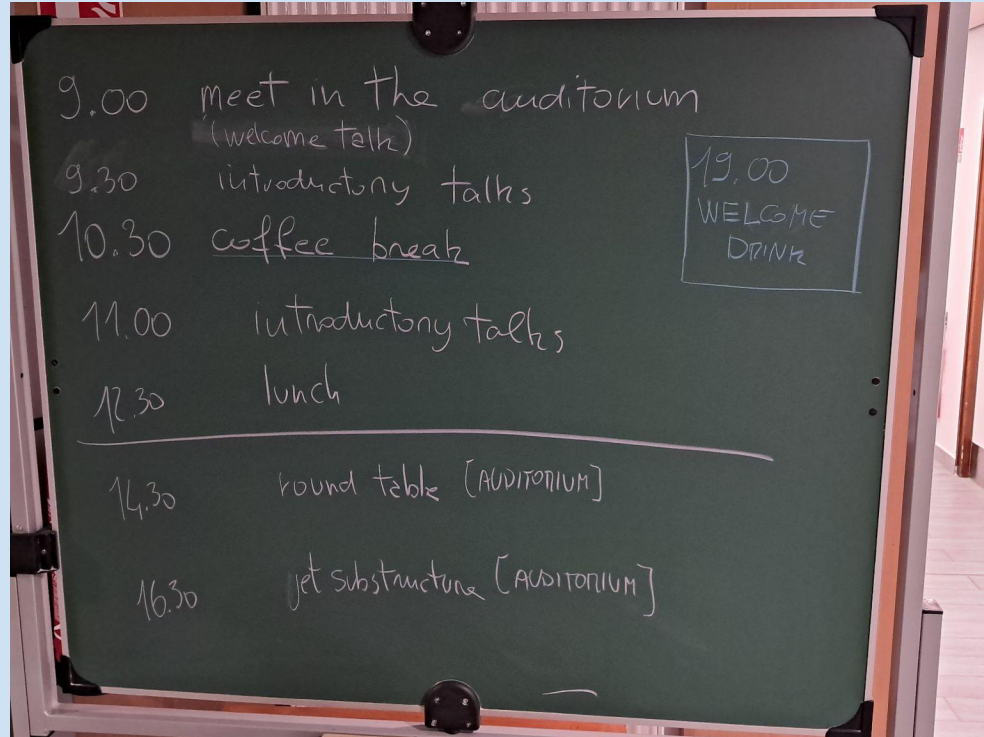
SOUVENIRS

JUN 15 2007



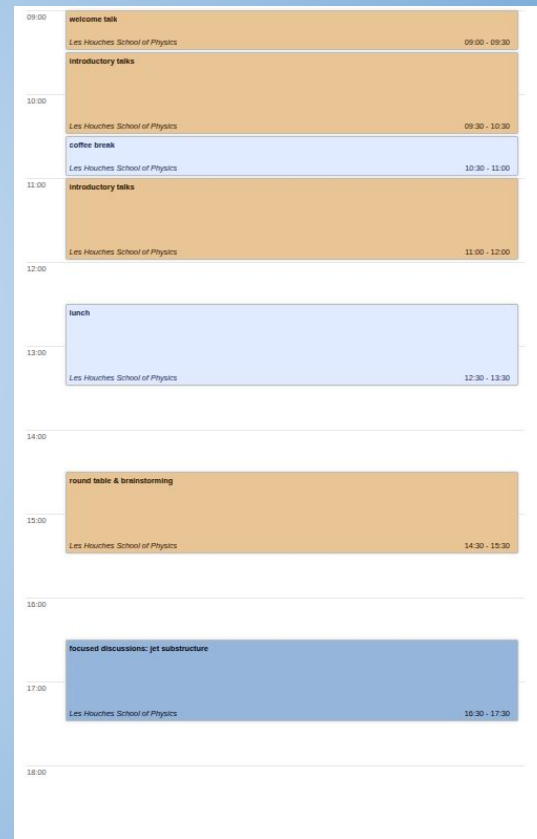
Programme

- Updated daily: check the google spreadsheet and the board in the entrance hall, close to the auditorium
- The success of the workshop ultimately depends on you....
...hence feel free to propose/add topics for discussion!
- For now only conveners have editing rights, write to them/me to update the google sheet
- Discuss, brainstorm, make the most of your time here!



Thanks to the conveners for their role!

- Heavy flavor jet tagging
- Harmonization of UEPS settings & uncertainty estimation
- Uncertainties in fixed-order calculations & resummation (jet-radius dependence, bayesian methods)
- α_s measurement(s)
- computational issues (numerical integration, sampling, amplitude interpolation)
- W mass measurements & $\sin^2\theta$: PDFs, calculations, strategies etc
- Toponium and threshold modelling
- Higgs
- QED corrections to PDFs
- ...



Car park - wifi - mailing lists - slack/mattermost

- Car park: in case you haven't registered your phone number, please do it. From today at noon the barrier will be closed and after office hours there will be no one to open it for you.
- If you have a taxi or shuttle service outside office hours, please inform the secretaries.
- **Eduroam & wifi-campus**: contact us if you have problems.
- **Slack / mattermost**: any preference?
- If needed, you can reach all participants by sending an email to session1-2025-all@phystev.cnrs.fr

Discussion rooms

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

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

- Other corners are available for informal spontaneous discussions

Projectors: ask me (if not around, you should find me in the organizers room)
Library and auditorium equipped.

Room booking: use the board outside the auditorium + google doc

Discussion rooms...



Library

QCD room



...and corners





25.06.2009

Weather

- Forecast is very, very good! Fingers crossed!



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

Main Building

- Coffee/tea free after meals and at any time. Please wash your cup.
Sodas **not free**: write down what you take (list already on the wall), settle the bill with the secretary before departure!

Restaurant Buiding:

- Breakfast: 7:45-8:45
- Lunch: 12:30 SHARP.
- Dinner: 19:30 SHARP.
- Wine (during meals) and drinks downstairs **not free**: write down your name and settle the bill with the restaurant personnel before departure!
After dinner: bar + table tennis, table soccer, piano, chess. After 22:30 keep the noise at low levels.
- Lunch boxes: order them 2 days in advance (e.g. tuesday before 15:00 -> ok for thursday). Use QR code available on the big blackboard

Welcome drink: today 19.00 @ Bar

Monday 23 June: workshop dinner



Les Houches Spirit





Accommodation

Rooms:

- No key on the doors but a small safe into every closet
- Cleaning in the morning
- On the last day: vacate the room by 9:00

We are recycling: please use the appropriate rubbish bins

Secretariat at the Centre

Open 08:45 - 12:30 and 13:30 - 17:30 (closed during weekends)

Emergency contacts:

1. **Emanuele (FR):** see email
2. **Emanuele (IT):** see email
3. **Serious emergency: Patrick Mendes (caretaker):** see leaflet/email

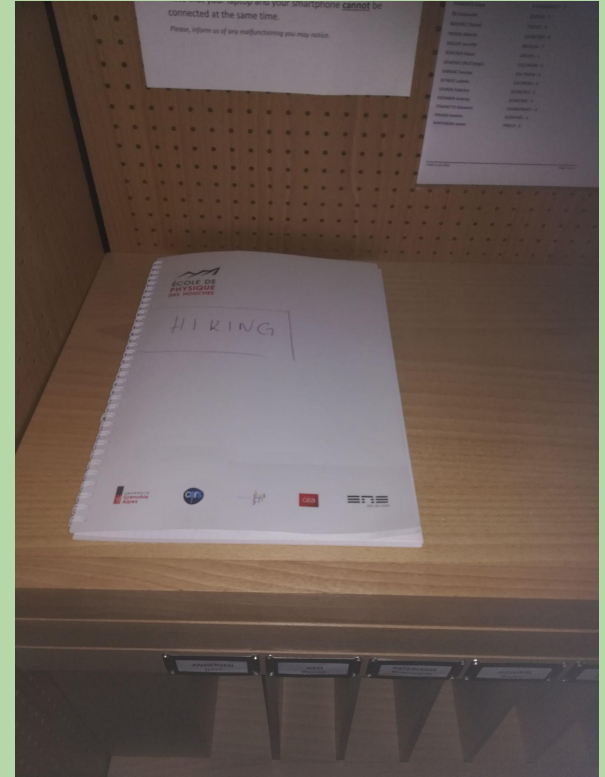
Outdoor activities

- The views speak for themselves, enjoy the place.
- 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, drop me an email or a whatsapp message.
- Sunday (or Saturday) will be a day off
 - Bike locks: see email



Thanks to...

As organisers, Cédric and I have to thank:

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

Enjoy the workshop!