

# Welcome to Les Houches!

PhysTeV 2023

Session 2 | June 21-30



# PhysTeV | since 1999

- A long series of HEP workshops: this is the 12th edition!
- bringing together **TH** and **EXP** working on phenomenological aspects of TeV colliders and (now) lower-energy experiments
- aiming at brainstorming and fostering new collaborations
- in the spirit of Les Houches:
  - very few formal talks
  - many more informal discussions
  - with (purposefully) no predefined schedule

# PhysTeV | since 1999

- A long series of HEP workshops: this is the 12th edition!
- bringing together **TH** and **EXP** working on phenomenological aspects of TeV colliders and (now) lower-energy experiments
- aiming at brainstorming and fostering new collaborations
- in the spirit of Les Houches:
  - very few formal talks
  - many more informal discussions
  - with (purposefully) no predefined schedule
- In a nutshell: **10 days of physics in front of Mont Blanc!**

# Organizing team

## Local committee:

- Cedric (Delaunay)
- Björn (Herrmann)
- Emanuele (Re)

LAPTh  
Annecy

## National committee:





- Nicolas (Berger) | LAPP Annecy
- Marco (Delmastro) | LAPP Annecy
- Marie-Hélène (Genest) | LPSC Grenoble
- Sabine (Kraml) | LPSC Grenoble
- Benjamin (Fuks) | LPTHE Paris
- Philippe (Gras) | CEA Saclay
- Grégory (Moreau) | IJCLab Orsay
- Suzanne (Gascon-Shotkin) | IP2I Lyon

# Working groups | Conveners 2023

- **Collider phenomenology** | Jure Zupan, Manuel Szewc (TH)  
Tamara Vasquez-Schöder (EXP)
- **Higgs physics** | Raffaele Tito D'Agnolo (TH)  
Adinda de Wit (EXP)
- **Tools & Machine learning** | Gauthier Durieux, Andrea Wulzer (TH)  
Gregor Kasieczka (EXP)
- **Low-energy probes** | Elina Fuchs (TH-BSM)  
Julian Berengut (TH-ATOM)

# Program in LH

- It is **yours** to define!
- Regularly updated on the wiki:  
<https://phystev.cnrs.fr/wiki/2023:programme>
- The program of the day will also be written on the blackboard near the auditorium

Session 2 [21-30 June 2023] <span>Edit</span>			
Wednesday 21 June			
19h30	Dinner		Restaurant
21h00	Short meeting	(conveners and organizers only)	Auditorium
Thursday 22 June			
09h00-09h15	Welcome to Les Houches 	organizers	Auditorium
09h15	<b>Working groups intro talks</b>		
09h15-09h50	BSM Phenomenology at colliders 	Tamara Vazquez Schroeder/Manuel Szewc	Auditorium
09h50-10h25	BSM Higgs physics	Adinda de Wit	Auditorium
10h25-11h00	<b>Coffee break</b>		Lounge
11h00-11h35	Tools & Machine Learning  ML Talk  SMEFT	Gregor Kasieczka / Gauthier Durieux	Auditorium
11h35-12h10	Low-energy probes	Elina Fuchs	Auditorium
12h30-14h30	<b>Lunch break</b>		Restaurant
14h30-16h00	Round Table	all	Auditorium
16h00-16h30	<b>Coffee break</b>		Lounge
16h30-18h00	Group formation	all	Auditorium
19h00-19h30	<b>Welcome Drink</b>		Bar
19h30	<b>Dinner</b>		Restaurant
Session 2 Ends <span>Edit</span>			

# Meeting rooms

- Auditorium



- « QCD room » (max 20 people)



# Meeting rooms

- Library (~30 people)





# Meeting rooms

- Library (~30 people)



- Outside



# Communication

- The [wiki page](#):

you can **all** fill it with ideas, summaries of discussions,...

→ Make it alive!

- [Mattermost channel](#)

(Thanks Gregor!)

2023: start

## Les Houches 2023

The workshop will start very soon! If you are a registered participant, you will be able to contribute to some of these pages (an email with credentials will be sent).

- [Home](#)
- [Preliminary list of topics for 2023](#) (Editing for conveners, access to all)
- [Programme in Les Houches](#) (Editing for conveners and participants, access to all)
- [Working Groups Pages](#) (Editing for participants, access to all)
  - [Session 1](#)
    - [list of participants](#)
    - [Higgs \(SM\)](#)
    - [Techniques, calculations, and phenomenology](#)
    - [Jet-substructure techniques](#)
    - [Monte Carlo generators, Tools, Machine-Learning \(SM\)](#)
  - [Session 2](#)
    - [list of participants](#)
    - [Higgs \(BSM\)](#)
    - [Collider Phenomenology \(BSM\)](#)
    - [Low-energy probes](#)
    - [Monte Carlo generators, Tools, Machine-Learning \(BSM\)](#)
- [Information for 2023 Participants](#) (On-site participants only)
  - Use of wiki pages and slack.
  - Wifi access/set-up.
  - Important info about lodging. Bus. Facilities.
  - Bulletins.
- [Private space for conveners](#) (Conveners only)
- [LH 2023 Theme, what will it be?](#)

2023/start.txt · Last modified: 2023/06/19 06:49 by emanuele.re-admin

# Proceedings | new approach

- Very light document (~10pages) summarizing discussions and highlighting promising projects
- Posted to the arXiv after the summer
- Signed by all participants, edited by the conveners
- It will be updated until 2025 (if you wish so!) with either:
  - a link to the publications that came up from the workshop
  - some extended descriptions of the work done, if not suitable for publication

# Practical information

- **WIFI** in all buildings: eduroam (preferred) or wifi-campus (→ leaflet)
- **Restaurant**: **7:45 → 8:45** breakfast | **12:30** lunch | **19:30** dinner
  - please be on time!
  - free coffee/tea after lunch and dinner
  - lunch box available, simply book it *at least* 24h in advance
- **Bar** (after lunch/dinner):
  - below the restaurant
  - the *heart* of the school!
  - beer/wine at your expense (cash or contactless credit cards accepted)

# Practical information

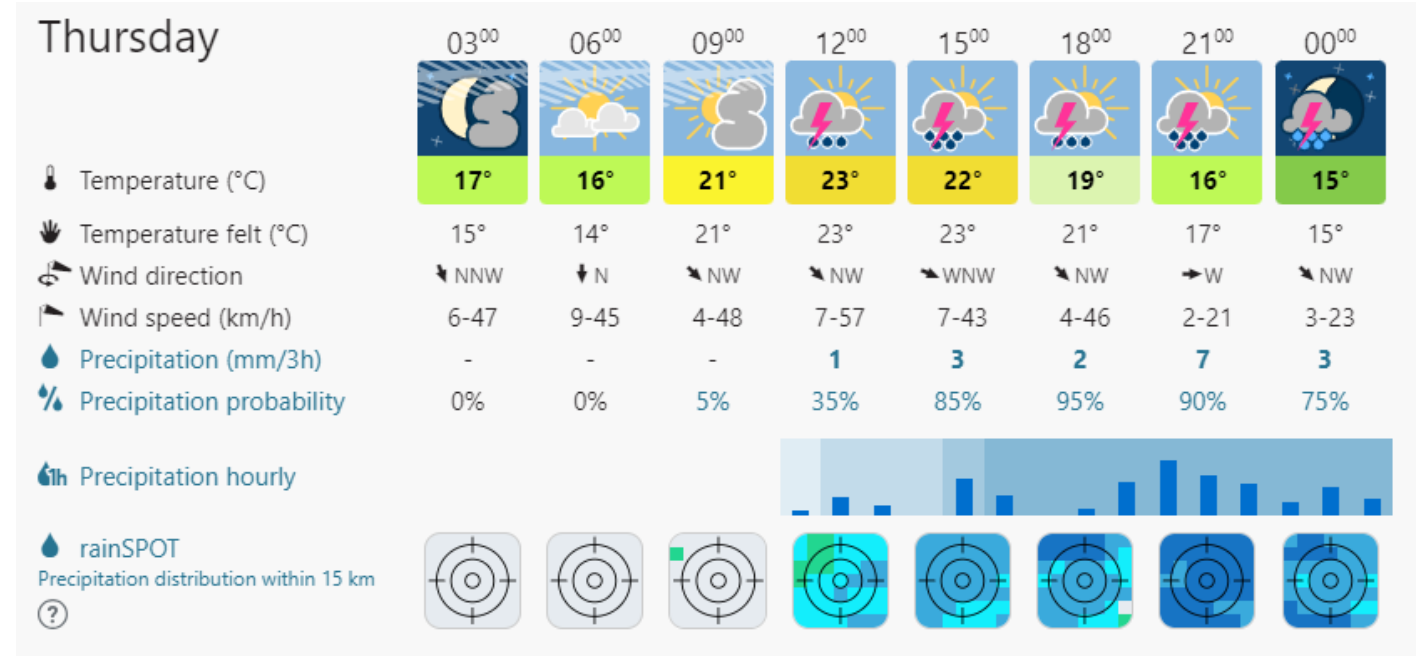
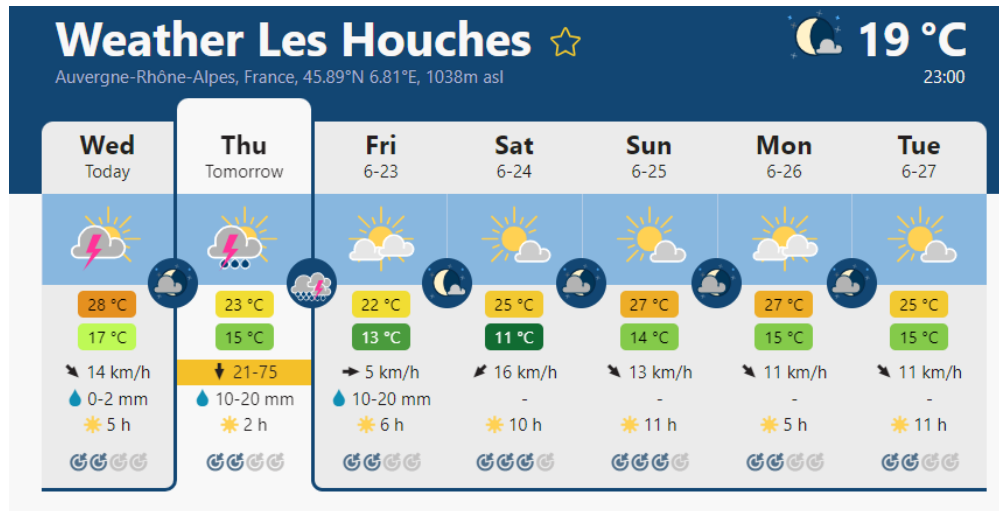
- **Accommodations:**

- no key, only building entrance code
- cleaning in the morning
- please vacate by **9:00** on the last day
- in case of (real!) emergency, contact the caretakers + 33 6 789 852 40

- **Main building** (Cécile DeWitt)

- free coffee/tea anytime (24/7), please wash your cup!
- soft drinks in the fridge (1€ each), simply add marks next to your name, pay Isabel before you leave
- please recycle: **paper** → **yellow** bins | **PET+aluminium** → **green** bins

# Weather forecast



detailed forecast here <https://www.meteoblue.com/>  
(check also <https://chamonix-meteo.com/>)

# Hiking | (Sunday is free day)

- Ask Isabel for trail options | Pick one that fits your skills
- Wear good hiking shoes and take enough water with you
- Check the weather forecast beforehand
- Do not go alone!
- Leave your name, cell #, destination and ETA back to the center on the log book at the pigeon holes
- Share your pictures with us ;-)

# Their legacy lives on!



Fawzi Boudjema



Jean-Philippe Guillet

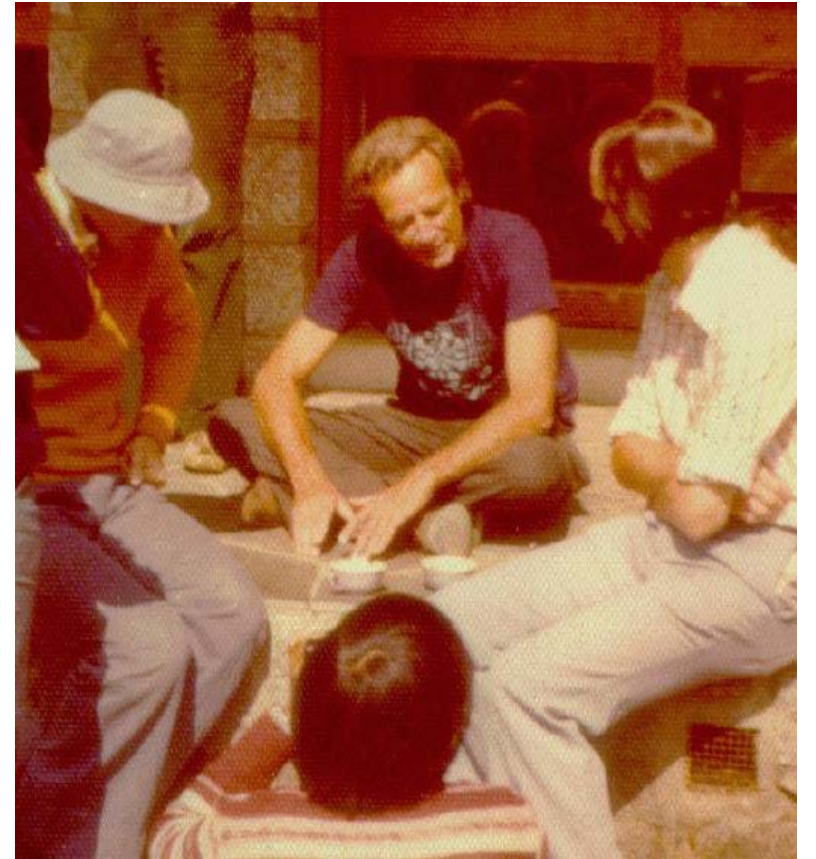


# In memory of



[Eric Pilon](#) (1964-2022)

Have fun!  
(doing physics)



Les Houches 1976