



LES RENCONTRES DE PHYSIQUE DE
LA VALLEE D'AOSTE
Results and Perspectives in Particle Physics
La Thuile, Aosta Valley (Italy)
February 25 – March 3, 2018



BULLETIN n. 1

Les Rencontres de Physique de la Vallée d'Aoste will again be held next year at the

Planibel Hotel, La Thuile, Aosta Valley (Italy)
February 25 – March 3, 2018

The Rencontres will bring together about 120 active experimentalists and theorists to review the present status and the future prospects in elementary particle physics. The program, only plenary sessions, will include review talks followed by extensive discussions. Some time will also be available for shorter contributions on new results. This format is chosen in order to allow for thorough exposure of what is presently known and of the foreseeable progress in the field, as well as for a critical assessment of future goals. Special sessions devoted to contributions for young scientists will be held.

The program will include extensive presentations of the LHC results. The following topics will be covered:

- *Cosmology, Gravitational Waves, and Astroparticle Physics*
- *Dark Matter and Dark Energy Searches*
- *Neutrino Physics*
- *Electroweak and QCD Physics*
- *Top Quark Physics*
- *Flavour Physics, CP Violation and Rare Decays*
- *The Higgs Boson, and searches for Physics Beyond the Standard Model*

The Sessions will be half day long, from 8.30 to 11.30 a.m. and from 4.30 to 7.30 p.m. Mid-day hours will be free for rest, sport and informal discussions. Internet connection and wi-fi will be available at the Hotel.

La Thuile is a beautiful mountain village located 1450m a.s.l., 20 Km from Mont Blanc, at the bottom of a vast skiing area. Communication to La Thuile is best by road. From north, the village can be reached from France through the Mont Blanc tunnel. From south, by exiting the Aosta-Mont Blanc highway at Morgex.

The Planibel Hotel is an outstanding resort for winter sports and congresses, featuring several entertainment and sport facilities (indoor swimming pool, gym, and sauna) that will be available for free to the participants. The main cable-car to skiing sites leaves from the Hotel basement.

Participation will be by invitation. However, physicists who do not receive an invitation may apply to the Conference Organizers. Young physicists are encouraged to apply.

A limited number of grants for young physicists are available.

1. HOTEL ACCOMMODATION

The daily rates (full board. Reductions will be applied for fractions of days) at the Planibel Hotel will be as follows:

Single room	113.00 € /day
Double room, two persons	98,00 € /person/day
Children between 3 and 6	50% discount
Children between 6 and 10	25% discount
Children under 3 years	Free

The Hotel will accept attendance to the Conference for a period shorter than the whole week. While the reservation should be made through the Conference Secretariat, the Hotel bill shall be paid directly to the Hotel.

The desired period of stay should be indicated on the registration form.

Every effort will be made to provide accommodation in a single room for those who request it. However, this cannot be guaranteed. As a provision for this case participants are kindly requested to indicate the name of a preferred room partner.

Registered participants will receive confirmation of arrangements made for them.

2. CONFERENCE FEE

The Conference fee for participants will be **450 €**. Other major currencies will also be accepted. There will be no fees for companions.

Credit cards cannot be accepted

The fee is payable before the Conference at the following bank account:

Banca Prossima

IBAN: IT24 M033 5901 6001 0000 0017 573

BIC: BCITITMX

to: **Associazione Rencontres de Physique de La Vallee d'Aoste**

Ref: La Thuile 2018, fee of (participant's name).

For fee paid upon registration the Euro exchange rate of the previous day will be applied.

The Conference fee will cover the cost of a copy of the proceedings and of all social events. The fee will be reduced by 50% for participants spending not more than one night at the Hotel.

3. TRANSPORTATION

Participants are expected to reach La Thuile by private car or by the Conference buses connecting Geneva (CERN and airport) and Milan (Malpensa Airport) to La Thuile. However, participants are advised that in the past a number of route connection problems on the alpine sector have been experienced which made the connections with Geneva less easy and reliable than with Milan.

According to winter road rules in that mountain area, people traveling by car must install snow tires or carry snow chains on board. Private cars will be parked in the Hotel basement, free of charge.

CONFERENCE BUSES

We shall organize transport by conference buses connecting, free of charge, the conference hotel to Geneva (CERN and Cointrin Airport) and Milano (Malpensa Airport)

On Sunday February 25, the buses time schedule to La Thuile will be as follows:

- **13:30 Bus departure from Milan Malpensa Airport to La Thuile**
The meeting point is between exits A and B of Terminal 1 (Lower level) near exit 6
- **13.30 Bus departure from CERN to Geneva Airport**
The meeting point is between building 33 (reception) and entrance B

- **14.00 Bus departure from Geneva Airport to the Planibel Hotel at La Thuile**

The meeting point is at the arrival gate exit

Departure from La Thuile on Saturday March 3.

- **13:30 Bus departure from the Planibel Hotel to Geneva Airport and to CERN**
- **13:30 Bus departure from the Planibel Hotel to Milan Malpensa Airport**

THIS IS IMPORTANT: reservation for pick-ups at a bus stop should be made when filling the registration form on the web.

Participants using the conference bus upon arrival are asked to be on time or to inform timely the conference secretariat in case of unexpected problems. There will be a hostess on each bus with the list of scheduled passengers, to be sure that nobody is left behind.

The journey will take about three hours to/from Geneva and about two and a half hours to/from Milano Malpensa.

The Organizers will do their best to help people in need of special travel arrangements.

4. DAILY PROGRAMME

07.30 - 08.30	Breakfast
08.30 - 11.30	Morning Session
12.30 - 14.00	Lunch at the Hotel (*)
14.00 - 16.00	Break
16.30 - 19.30	Afternoon Session (**)
20.00	Dinner at the Hotel

(*) Guests may choose to have a simple lunch at selected restaurants located at the top of the cable-car departing from the Planibel Hotel. Daily lunch coupons should be requested at the Hotel restaurant at breakfast time.

(**) On Saturday March 1 there will be no afternoon Session.

5. SOCIAL PROGRAMME

Sunday, February 25 , 6 to 8 p.m.	Reception
Monday, February 26, 7 p.m.	Welcome cocktail offered by the La Thuile Tourist Office
Wednesday, February 28, 8:30 p.m.	Social dinner

6. SKI

Free ski courses of all levels will be organized every day. Ski passes will be sold at a reduced rate to the participants of the Rencontres. The Conference Secretariat will issue the required certificates. No photograph will be necessary.

7. ORAL PRESENTATIONS AND INTERNET LINKS

Internet connection, free of charge, will be available at the Planibel Hotel.

Speakers are requested to make their computer presentations available on portable storage to be adapted to the conference computer.

Electronic version of the talks shown at the Conference will be available on the web at the end of the Conference.

Speakers are warmly recommended to submit within April 30, 2018 to the Secretary of the Rencontres the written text of their contribution, to be published in the conference proceedings.

8. PROCEEDINGS OF LA THUILE 2017

Proceedings will be published, both in print and in electronic version, as an issue of Nuovo Cimento C, the journal of the Italian Physical Society associated to the European Physical Journal: <http://www.sif.it/SIF/it/portal/riviste/ncb>

>>> [Conference World Wide Website](#) <<<

http://www.pi.infn.it/lathuile/lathuile_2018.html