

LFC15: Physics Prospects for Linear and other Future Colliders after the Discovery of the Higgs

07-11 September 2015
ECT*, Villa Tambosi, Trento, Italy
<http://www.ectstar.eu>
Bulletin n. 1 – July 8th 2015

General

This workshop is part of a series initially on physics at Linear Colliders and now expanded to also cover other Future Colliders. It is organized in Italy every two years to stimulate and gather together the Italian community interested in Linear and other Future Colliders (LFCs). The workshop invites scientists from everywhere in the world to discuss topical arguments related to LFCs. Previous editions have taken place in Florence, Perugia, Frascati (twice) and Trento (twice). This year the venue is again the European Center for Theoretical Studies in Nuclear Physics and Related areas (ECT*).

This workshop will explore physics prospects at very high energy LFCs covering: highlights from the LHC 13 TeV results, frontiers in high energy physics including reviews of future worldwide accelerator projects, QCD (also photon-photon) and EW interactions, beyond the Standard Model and Higgs physics, prospects for $g-2$, top quark physics, astroparticles and high energy physics tools.

We invite applications from early stage researchers working in areas related to the above topics. Junior participants, including advanced graduate students, post-doctoral fellows and junior faculty will be given priority.

Venue

The ECT* is located a few km uphill from the center of Trento and can be reached by a short bus ride from the main hotels, where the participants will be hosted.

The city of Trento is the gateway to Italy from Northern Europe, 139 km away from the Brenner Pass and 348 km from Munich, in Germany.

Trento has a long history as center of art and culture and is a good starting point for excursions to the Dolomite valleys, which can be reached by a one or two hours drive to the north, west and east. September is usually also a very good time to visit the apple growing valleys and the many vineyards. Famed 'Wine Roads' are close by, most of them just a short ride away from Trento, to the north.

There is no international airport in Trento itself, but the city is connected to major airports like Verona, Venice, Milan, Munich, and Rome via highways and high speed trains.

Complete information on the ECT* and how to reach Trento can be found at the ECT* website <http://www.ectstar.eu/> and will also be included in the second bulletin.

Timetable

The workshop will start on Monday 7 September 2015 after lunch, so as to allow participants to arrive in the morning and settle before the start of the talks, and will end on Friday at lunchtime. An excursion to one of the nearby valleys will be organized on Wednesday afternoon.

Travel

The best way to reach Trento from other cities or from the aforementioned airports is by train. If arriving by air to Verona on Monday morning, transportation to the ECT* from Verona airport can be organized around 12:00, with details to be specified soon. Likewise, transportation back to Verona airport can be organized on Friday afternoon at the end of the session. The cost will be charged to the participants.

All the hotels are in walking distance from Trento railway station. Bus and taxis transport is also easily available.

Registration and Accommodation

Registration will open at the ECT* site, <http://www.ectstar.eu/node/1233>, on 6 July 2015. Upon registration, the ECT* secretariat will organize hotel bookings in local hotels, and information about accommodation will be provided in due course by the ECT* secretariat: all participants registered before 23 August 2015 (end of registration) will be notified of the final arrangements.

There is no registration fee.

Secretariat and Contacts

The workshop local organization is done through the ECT* and Mr Gian Maria Ziglio, ziglio@ect.it, is in charge of it. For information about the scientific programme please contact anyone of the organizers or conveners, for other information please email giulia.pancheri@lnf.infn.it.

There is a mirror LFC15 website at <http://www.lnf.infn.it/conference/LFC15/> where additional information can be found.

Next Bulletin

A second bulletin with further instructions and a draft programme will soon follow.

Proceedings

Contributions to the Workshop will be published in a Proceedings Volume: instructions and deadline for submission will be announced after the Workshop.

Scientific Organization

The scientific planning is based on an organizing committee and eight conveners, which are responsible for programming the various sessions.

Organizing Committee:

Gennaro Corcella (gennaro.corcella@lnf.infn.it)
Stefania De Curtis (stefania.decurtis@fi.infn.it)
Stefano Moretti (s.moretti@soton.ac.uk)
Giulia Pancheri, Coordinator (pancheri@lnf.infn.it)
Francois Richard (richard@lal.in2p3.fr)

Conveners:

Carlo Carloni Calame (EW/g-2) carlo.carloni.calame@pv.infn.it
Denis Comelli (DM/Cosmics) comelli@fe.infn.it
Aldo Deandrea (BSM/SUSY) deandrea@ipnl.in2p3.fr
Giancarlo Ferrera (QCD) giancarlo.ferrera@mi.infn.it
Roberto Franceschini (BSM/Higgs) roberto.franceschini@cern.ch
Orlando Panella (BSM/Exotics) orlando.panella@pg.infn.it
Fulvio Piccinini (Tools) fulvio.piccinini@pv.infn.it
Francesco Tramontano (Top) francesco.tramontano@na.infn.it