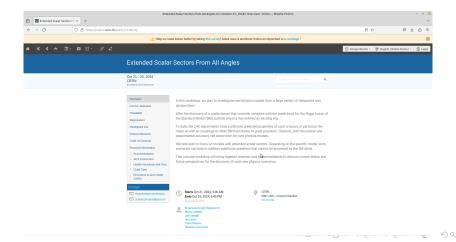
Welcome



Organizers

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Emanuele Angelo Bagnaschi (INFN Frascati)

Maria Cepeda (CIEMAT)

Joe Davighi (CERN)

Ian Lewis (Kansas)

Tania Robens (IRB Zagreb)

Nikolaos Rompotis (Liverpool)
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scalars24-cern@cern.ch

additional support: Elena Gianolio, TH workshop secretariat [thworkshops.secretariat@cern.ch]

! Thanks to LPCC for support!

Goals of workshop

- (1) Investigate new physics models from a large variety of viewpoints and perspectives, with a focus on models with extended scalar sectors.
 - (2) Bring together theorists and experimentalists to discuss current status and future perspectives for the discovery of such new physics scenarios.

In more detail...

- Current status and future perspectives at LHC and upgrades
- CP properties [including CP violation]
- Dark matter and connections to cosmology
- Scalar self-couplings
- Connections to flavour physics
- Recasting
- Precision calculations and renormalization
- EFT description

Current program

- 19 plenary talks, invited (10 theory/ 9 experiment)
- 38 contributed talks, mainly theory
- TH colloqium on Wednesday by Carlos Wagner

"The Higgs Boson: From Theory to Experiment"

[https://indico.cern.ch/event/1394014/]

- general structure:
 - 9 am 6 pm, with coffee breaks around 10 30 am and 3 40 pm (vary depending on day), lunch breaks around 12 30 pm (dito)
- social events: welcome reception today, dinner tomorrow*
- * in principle booked, ask Joe if you still want to join



Participant statistics

- 135 participants, 30 remote
- plenaries: 26 % women, 74 % men
- contributed talks: 17 % women, 83 % men
- countries in registration: Europe and African continent:
 61 %, Asia and Australia: 23 %, Americas: 16%
- did not collect career status data [but would be interesting as well]

Practicalities

- Coffee breaks: already mentioned
- Lunch: you are for yourself, recommend R1 or adjacent places
- ⇒ Reception: tonight, 6 30 pm, outside
- ⇒ Dinner: tomorrow evening, start 7 pm, see next slide...
 [participation was by prebooking, pls ask Joe if you still want to join]
- ⇒ Group picture Thursday before second coffee break [here]
 - Speakers: upload your slides prior to session
 - Thanks to all chairs!
 (do not forget: also remote participants, we should check zoom for questions etc)

Dinner tomorrow at Luigia, 7 pm

Luigia Academy, Rte du Nant-d'Avril 148, 1217 Meyrin



- approx 25 mins walking (the long way)
- ⇒ will leave from main gate around 6 30 pm, join if you want
 - Menu can be found on indico, choose at Restaurant
 - Set price, 59 CHF, drinks are extra



First instance of a series?

Idea: establish this as an international workshop/ conference series

- at CERN or elsewhere
- similar scope, but open for suggestions

Dedicated discussion session on Thursday

before, **input via google doc possible** (link will be sent to participants)

Questions ??

Have fun!!

Thanks goes to TH secretariat, Elena Gianolio and LPCC for help and support

contact: scalars24-cern@cern.ch