05-18 OCTOBER 2022, Pyeongchang, SOUTH KOREA



Student projects

-Introduction-

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Each Discussion Group:

- Choose one experimental paper published in a refereed journal
- Study and understand in detail:
 - All aspects of the analysis described in the paper (trigger, selection, backgrounds, statistical analysis, systematic uncertainties, theoretical interpretation, ...)
 - Follow up references and make use of relevant public material
- Prepare a 15 minute presentation of your group's study (+5 minute questions).
 - Presented by one student from your group
- Order of talks will be random and there will be a vote to determine the winning presentation (1 vote per group)

- Better to choose a longer article than a short letter at least 10 pages of content, not counting abstract, references and author list.
- Once you have chosen a paper, let me know.
- We can provide paper copies (for your group) of the paper you select.
- You can use some time during the discussion sessions to get organized, but most of the work should happen during free time.
- Work as a team to decide on a paper, plan and share the work, review progress regularly, combine the contributions, select a speaker, organize a rehearsal of the talk...
- It is a student project: the DL may guide occasionally, but it is up to you as a team to select the paper, share the work, monitor progress, etc.

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Topics:

- 1) Searches at the LHC
- 2) Higgs measurements
- 3) QCD or Electroweak precision measurements
- 4) Flavour physics measurements



Group A (2)

Group B (4)

Group C (6)

Group D (1)

Group E (5)

5) Heavy Ion measurements

6) Neutrino physics

Group F (3)

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Start: Now

Paper choice: Wednesday 11:00, the latest.

Presentation: Next Sunday, October 16, at 20:00 after dinner



Enjoy the projects! Questions?