



Student Projects

-- introduction --

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Sunday, 17 March 2013

09:00 QCD Under Extreme Conditions 1 (Eduardo Fraga (UFRJ))

10:30 Tea and coffee

11:00 LHC Results Highlights 2 (Oscar Gonzalez Lopez (CIEMAT))

12:30 Lunch - Free time

15:30 Neutrino Physics 1 (Concha Gonzalez-Garcia(Stony Brook, U. Barcelona))

17:00 Tea and coffee

17:30 – 18:45 Discussion Session

19:30 Dinner

20:30 – 23:00 ***Student Group Project Presentations***

Each Discussion Group:

- Choose one experimental paper, (to be) 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... etc). Follow up references and make use of relevant public-domain material; don't hesitate to ask questions..!
- Prepare a 15-minute presentation of your group's study, to be presented by one student from your group, on Sunday March 17 after dinner
- The order of the talks will be random and there will be a prize for the best presentation, determined by you (1 vote per group)

Further guidelines:

- It is probably 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 to represent you, 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, and elect the speaker



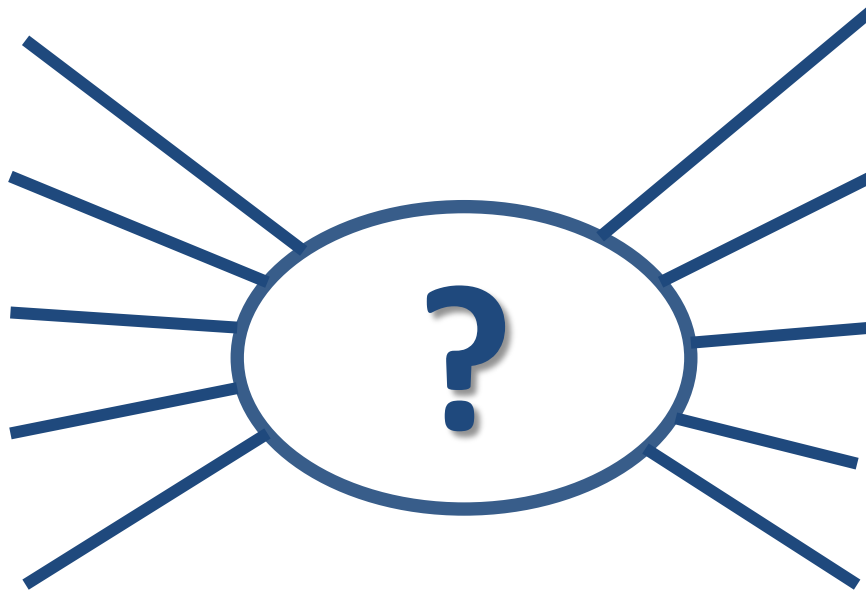
Group A

Group B

Group C

Group D

Group E



1. UHE cosmic rays

2. Higgs

3. Flavour physics

**4. SM measurements
at the LHC**

**5. BSM physics at
the LHC**



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Enjoy the project!

Questions?