

Student Projects AEPSHEP 2014

-- introduction --

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Saturday, 15 November 2014	
09:00	Cosmology 2 - Valery Rubakov (INR Moscow)
10:30	--- Coffee ---
11:00	Neutrino Physics 2 - Zhi-Zhong Xing (IHEP)
12:30	--- Lunch & Free Time ---
15:30	Higgs Physics & BSM 3 - Koichi Hamaguchi (University of Tokyo)
17:00	--- Coffee ---
17:30	Discussion Session (until 18:45)
19:00	--- Dinner ---
20:30	Student Projects (until 22:00)

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 Saturday November 15 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

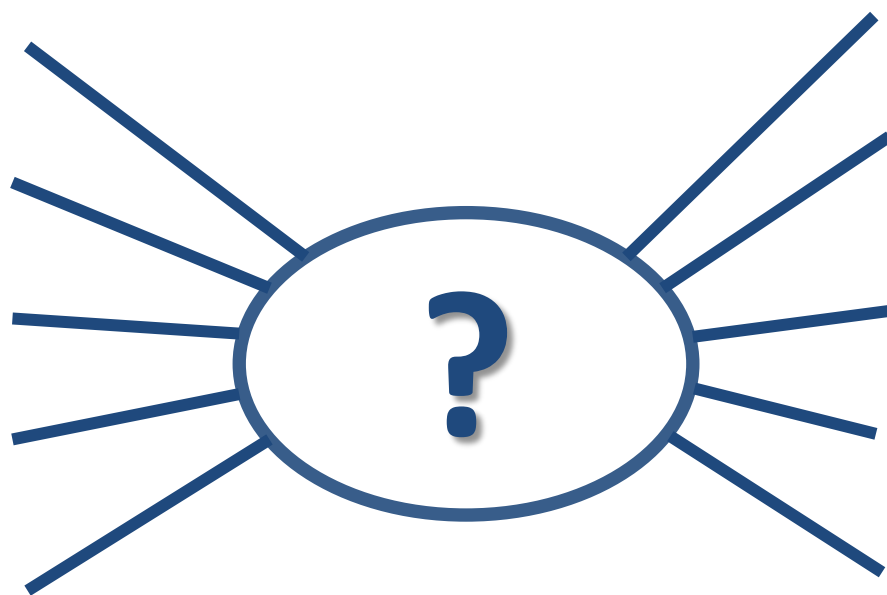
Group A

Group B

Group C

Group D

Group E



1. Searches at the LHC

**2. SM measurements
at a collider**

3. Flavour physics

4. Heavy Ion physics

5. Neutrino physics

Enjoy the project!

Questions?