



# 2012 Joint Fermilab-CERN Hadron Collider Physics Summer School

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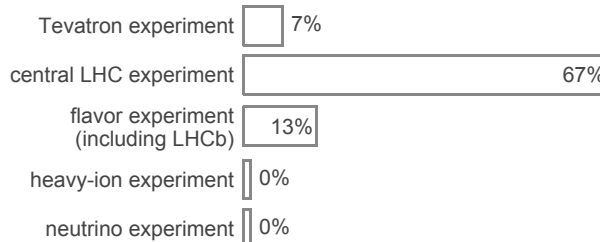
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### Statistics

#### \* 1. At what stage of your career are you?

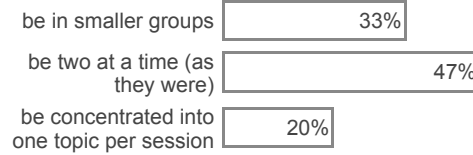


#### \* 2. What is your research specialty?



theory other **\* 3. The school day was ...** too short suitable too long **\* 4. The length of the school in days was ...** too short suitable too long **\* 5. The number of lectures was ...** too few about right too many **\* 6. The length of the lectures (75 min.) was ...** too long about right too short **\* 7. The amount of question time was ...** too little about right too long **\* 8. The discussion sessions were ...** too few/too short about right too many/too long

\* 9. Should the discussions ... ?



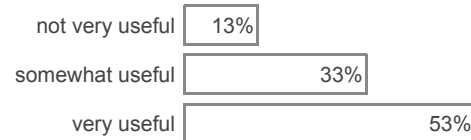
\* 10. The variety of topics covered was ... ?



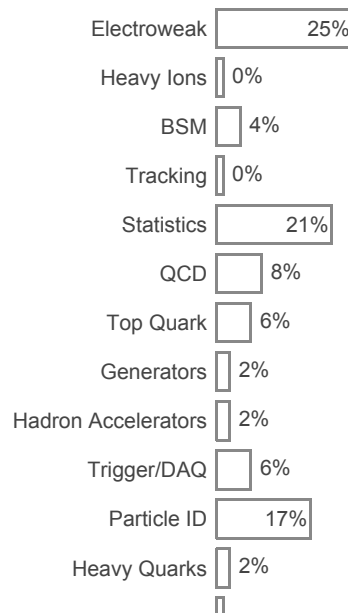
\* 11. The overall level of the lectures was ... ?

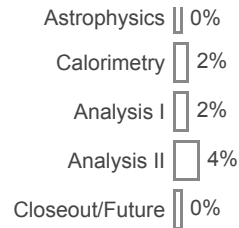


\* 12. The discussion sessions were ... ?

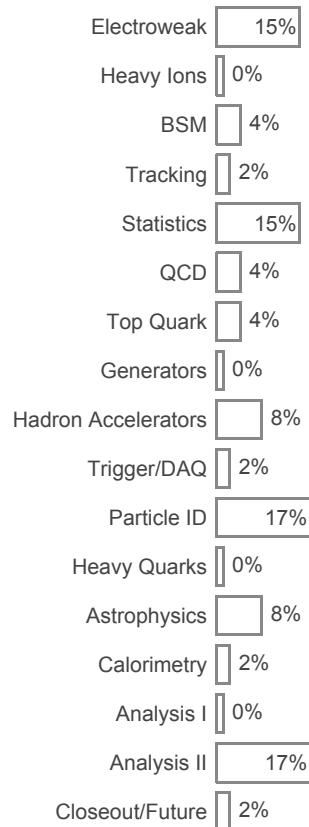


\* 13. Which courses do you consider most important (up to three)? ?





**\* 14. Which courses did you consider most *enjoyable* (up to three)?** ?



**15. Did you find any course to have too few lectures?** ?

- BSM could have been split into a couple different courses, there was a lot of material to cover
- I would have enjoyed more astrophysics lectures and more statistics lectures.
- no
- No
- no
- Top Quark
- Statistics, Analysis
- The non-susy part of BSM was short
- Generators, Statistics

**16. Did you find any course to have too many lectures?** 

- Particle ID
- no
- -
- no
- No
- BSM
- QCD
- None
- Electroweak, BSM, Hadron Colliders
- trigger
- BSM

**17. Were any courses too advanced?** 

- QCD, Generators
- no
- -
- no
- QCD?
- No
- Generators
- Generators
- Heavy Ions, Generators

**18. Were any courses too elementary?** 

- Astrophysics could have been at a higher level
- Electroweak was a little elementary. Astrophysics was taught at an "elementary"-level but it was still interesting.
- no
- most of the courses
- No
- Heavy flavor
- No, I found the level of all lectures just right!
- First lecture of Particle ID


**19. Did you find any course unnecessary?** 

- Heavy ions
- -

- No
- no
- Heavy Ions
- No
- Heavy Ions
- Astrophysics (though still v. interesting), top
- generators


**20. Are there any topics that should have been included but weren't?** 

- Boosted object tagging
- maybe something on neutrinos (although we did have the neutrino colloquium so that was good)
- -
- No
- I wished the statistics lectures would have touched on MVAs more.
- Maybe a lecture on neutrinos physics ? But it's not really hadron collider physics .
- For non theorists could be interesting to present analysis comparisons between different experiments to see different approaches to a same problem, and that can be related to theory.

**21. Do you have any comments on the events (tours, meals, special meals, Chicago trip)?** 

- The dining manager was extremely helpful with respect to my food allergies, both with regular meals in the cafeteria and special meals at the barn. He rocks.
- the special meals were great and so was the chicago trip. The tours were really good although there was definitely more interest in D0 and CDF than the others
- It was very good. My only suggestion would be on snacks. Cookies/Pastries/Bananas/Apples/etc are convenient snacks but chips/fruit bowls/bread/etc is slightly less convenient.
- were nice!
- Everything was very nice.
- The frequent coffee breaks were good considering the 75 minute lecture lengths. The food at the banquet was surprisingly good.
- Breakfast very late. Buses sometimes were late.
- Everything was pleasant. It would have been good to have maybe one "social" event not food-related, though. For instance, a sport evening or a game/music night.

- More informations on what to do in Chicago could be very useful
- I would add more fruit or sandwiches and less donuts and cookies to the coffee breaks. Something lighter to avoid falling sleepy during the next lectures.
- The meals were very but too short. I would have been nice if there was not a strict limit to go back to the resort after the dinner.

**22. Do you have any comments on the logistics (e.g., buses, location of hotel, ...)?** 

- The buses were constantly late. I don't know what the bus drivers told you guys, but it seemed like you got the impression that the students were late and the buses had to wait for us. Nothing could be further from the truth. From the first day to the last, we waited for buses that always came later than advertised. The hotel was terrible. The water smells and tastes like sulfur, and walking to get food always involves a long walk across busy streets without sidewalks. I would rather skip an important Fermilab conference than stay there ever again.
- -
- Not really. Only minor suggestions would be to have a few minutes more in the morning for breakfast, and perhaps cut the first coffee break down by 5-10 minutes to give a small break between the afternoon lectures.
- I didn't stay at the hotel but the highrise has good facilities for hosting the school.
- The conference room very cold
- The logistics was fine in general, although the buses were sometimes in late.
- The hotel was far away but plenty of activities are available at the pheasant run so it was OK.
- The hotel cleanliness can be better: insects and bed bugs were present.

**23. Do you have any other comments or advice to improve future schools?** 

- Don't let the bus drivers lie to you. Stay at a hotel for a night before putting us there. Otherwise, the school itself was pretty awesome, and everyone was very helpful and knowledgeable.
- I think it might be a good idea to give a five minutes break b/w each lectures. And tea break could have been reduced in order to compensate time. But this is just my view. I think overall the School was well thought planned, well organized. I learnt many things. And i sincerely thank everyone involved in organizing it. And importantly giving me opportunity to attend this. It was just wonderful.

- - You've probably heard this from everyone, but a short break between afternoon lectures would be appreciated. - Sometimes I wish I could have been in both discussions (or the lecturers were divided differently) but I suppose there's no other way to do it. - I really enjoyed Tom LeCompte's style of experimental lecture (i.e. presenting thoughts and reasonings behind analysis/design decisions rather than just showing hundreds of histograms similar to the W-mass analysis lecture). More experimental lectures of that style would really be appreciated. - Perhaps encouraging lecturers to be around during breaks and in between lectures. I enjoy talking with lecturers after lecture but many of them were only around for their lecture and then left (though I understand many of them are very busy).
- add exercise sessions, maybe
- It's a lot of material to cover in the given time. I don't have a good solution to suggest.
- Please do not turn on the cold air inside the lectures room
- I really enjoyed the school. Thanks a lot for the whole effort!!
- The lectures could write a proceeding (maybe around 10-20 pages) summarizing their lectures. It is a lot of extra work for them for sure but I think it will really help to study the lectures afterwards.
- I would suggest the organizers to point out to students that distances between FNAL and hotel or FNAL and Chicago or St. Charles are big and public transport is limited. So maybe car renting can be necessary. Some lectures could be more detailed in the calculations (EW, BSM, Statistics)
- The arrangement of the discussion sessions in the first week forced you to miss out on some topics. e.g. on Monday the split was EW&HI or BSM&Tracking, Tuesday was EW&Tracking or HI&BSM. So I had to chose one to miss.