



# JTERM - III



## Workshop Summary

**Dan Green**

**LPC co- coordinator**



# JTERM III – Short Form



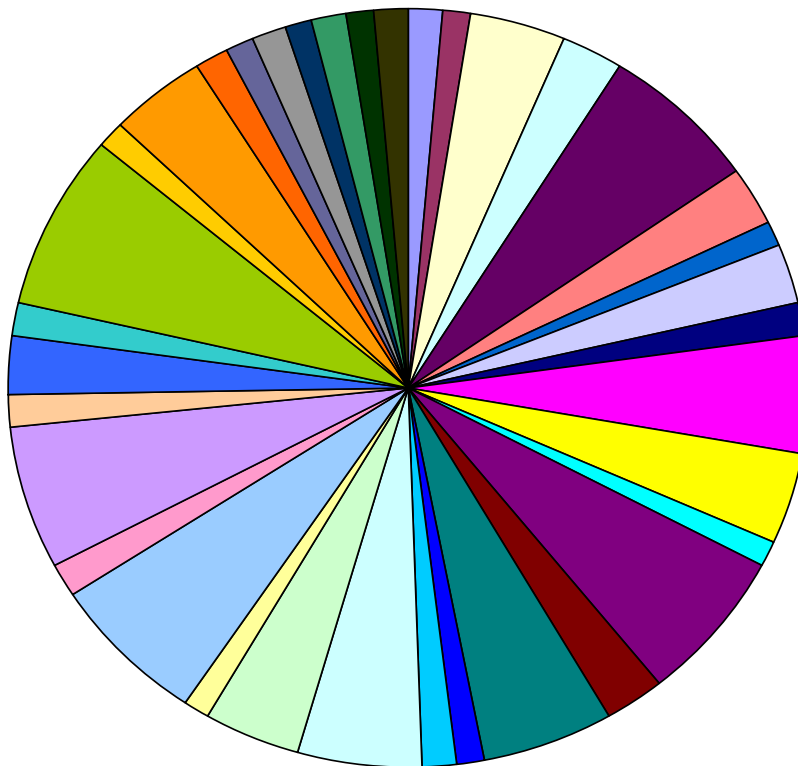
- **120 Registrants from 39 institutions**
- **Full week of sessions, tours**
- **Guido Tonelli talk – early Physics in 2009 run**
- **Monday – Detector subsystems, ROC tour, reception**
- **Tuesday a.m. – Physics objects**  
p.m. – **US CMS mentor rollout, tour CDF/D0**
- **Wednesday – Intro to topo groups, parallel breakouts**  
G. Kane colloquium (SUSY + strings)
- **Thursday a.m. event displays, 2 tiered tutorials**  
p.m. **Tevatron searches and theory (stats)**  
dinner and band
- **Friday – physics support, toolkits, generators**  
and topo group reports



# JTERM III



JTERM-III, 39 Institutions



- PKU
- Virginia
- Purdue
- Calumet
- Princeton
- Texas A&M
- Texas Tech
- CMU
- Wisconsin
- Rockefeller
- Kansas State
- Tata
- Iowa
- JHU
- UIC
- CBPF
- FIT
- FIU
- FSU
- Florida
- UCR
- UCSB
- Rutgers
- UCLA
- Colorado
- Nebraska
- Brown
- Wayne State
- Vanderbilt
- UC Davis
- Boston
- Caltech
- Puerto Rico
- Maryland
- Cukuriva
- OSU

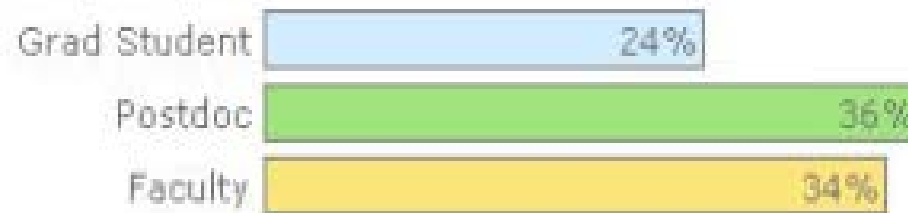
Well attended  
with a good  
sampling of  
US CMS  
groups.



# Younger Clientele?



5. Are you a 



**60% of registrants were GS + PD. The aim of JTERM is to enable new GS and PD to quickly get engaged with CMS work. To that end we stressed the tutorials, CRAFT data, toolkits, and event displays.**



# New and Younger Faces

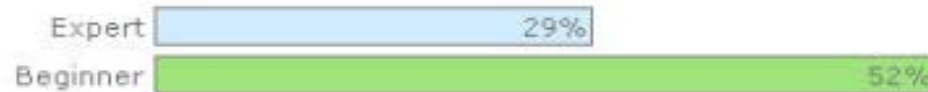




# Innovations

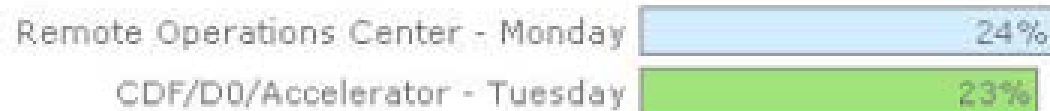


6. For the tutorials are you an 



**2 tiered Tutorials - did that work out well?**

8. Are you interested in a tour of 



**Tours of ROC and Tevatron Expts. ROC gives US CMS a way to take shifts and do DQM service work within the USA.**



# Innovations II



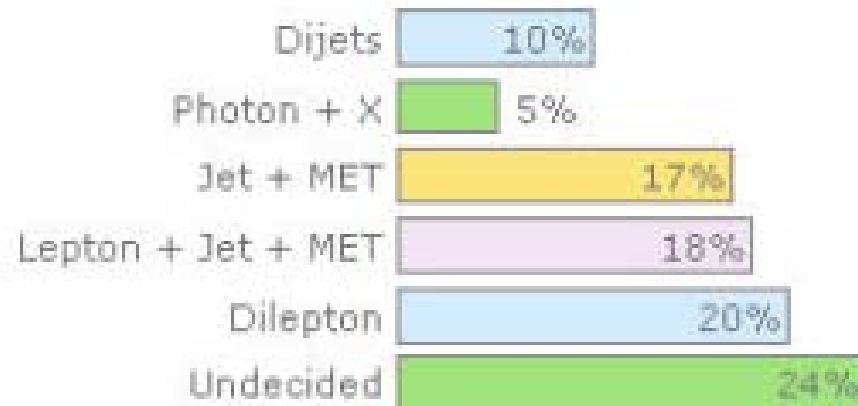
**One of the loudest groups in all of FNAL.**



# Finding Your Analysis



7. Which Topological Physics Group are you interested in 



**With the plenary introductions, the parallel breakouts and the summaries the topo groups explained who they are and what they are doing. It was nice to see  $\sim 1/4$  new faces undecided as to their area of interest. There are 5 topo groups that are functioning well and are contributing in a big way to CMS. They are chosen to make an optimal impact on early CMS physics ( "di objects" - see B. Dobrescu talk)**





# Visit the LPC Site



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THE COMPACT MUON SOLENOID

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**Today's Meetings - Weekly All US CMS Meeting**

**A Comprehensive Tutorial on "Using Physics Analysis Toolkit (PAT) in your analysis"- (13 Jan. 2009 - 27 Feb. 2009) Registration and Agenda**

**LPC Organization Chart:**

US CMS  
LPC AB  
LPC AB

- G&V
- Fellows
- Housing
- Offices

LEGEND

- Stakeholders
- Working Group
- Points of Contact

**LPC Facilitators**

- Enabling Analysis**
  - Trigger
  - ROC, DQM
  - Gen/Simul
  - Physics Support
  - LPC CAF
- DPG, POG**
  - Tracking
  - b tag/Vertex
  - e/gamma
  - Muon
  - Tau
  - Jet/MET
- Physics Topologies**
  - Dijets
  - Jets + MET
  - Diphotons
  - Lepton + Jets + MET
  - Dileptons
  - Dileptons + Jets + MET

**Data Ops**

**LPC Physics Forum**

**Outreach**   **Astro**   **USCMS Phys. Coordinator**   **Theory**   **LHC**

Follow up on your chosen analyses – weekly meetings of DPG, POG and topo groups – use Indico for the agenda and EVO for the meeting talks.



# Mentor LPC Link



US CMS Mentors

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**This is a new initiative. We have ~ 25 senior US CMS physicists as volunteers. Please volunteer if you are a possible mentor and please use this tool if you are a student. The Facebook like site will allow US CMS physicists to be more engaged with physics analyses – both as a mentor or a mentee.**

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# US CMS Mentor Rollout



US CMS Mentors

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## Greg Landsberg

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Thanks to Greg Landsberg and Jen Nahn for launching this site. The program arose from input of the LPC Advisory Board. If we get a good idea and if we can find the resources we will implement it.



# Summary



- The Workshop was great fun.
- Thanks to all the speakers and the LPC and FNAL support staff.
- We hope you found it useful. Indeed, the scope of JTERM III was defined by feedback from JTERM II.
- We ask for your input. Send e-mail to [dgreen@fnal.gov](mailto:dgreen@fnal.gov), [ctully@princeton.edu](mailto:ctully@princeton.edu)
- We will also send an evaluation form to the registrants e-mail list when we send you the group photo. Please fill it out.
- You can now follow up and work on an analysis of your choice. Pick a topic(s) and get involved. The LHC will be THE discovery machine for the next decade(s).
- This is YOUR chance to do discovery physics!