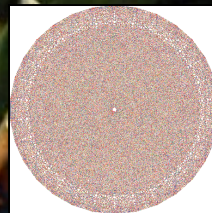


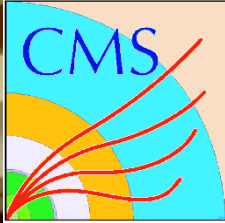
J-Term Summary and Next Steps



Boaz Klima
(Fermilab)



LPC J-Term IV – Aug. 5, 2009



General

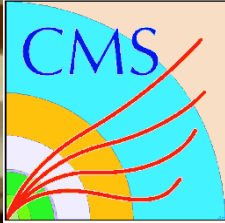


- It's never a good idea to stand between tens of young & hungry people and their dinner, so I'll be very brief...



- This J-Term's statistics
 - Number of registered participants – 142 (+few unregistered...)
 - Graduate Students and Post-Docs consist of 2/3 of the participants
 - Roughly $\frac{3}{4}$ participated in the tutorials (more beginners)
 - Consistent with the previous 3 J-Terms hosted by the LHC Physics Center (LPC) at Fermilab

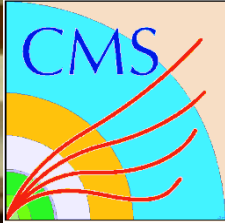




What have you heard (1)



- How exciting the LHC physics is going to be (Wow!)
- How close the LHC accelerator is to producing first TeV collisions (really close, after many years of construction)
- How ready CMS is for first collisions and then first physics (as ready as it gets and eager to see first collider data)
- **CMS101**
 - Detectors (Tracking, ECAL, HCAL, Muons)
 - Triggers & DAQ & Luminosity
 - Physics Objects (Jets, MET, e 's, m 's, t 's, b-tagging, Particle Flow)
 - Computing – Model & User Tools
 - Data Operations & the ROC
 - Offline & PAT
 - Simulations and Generator Tools
 - Lots of jargon and acronyms...



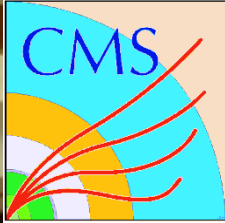
What have you heard (2)



- Analysis of CRAFT Data – real data, real detector!
- Few impressive analyses done by our young colleagues
- Reports on work-in-progress from LPC Topology Groups
- Ask what the LPC can do for you (but you have to ask!)
 - Lots of support – infrastructure, computing, personnel, expertise, ...
 - Guest program, on-site housing, offices, ...
 - Cross fertilization among different efforts/groups
 - ...

Thanks to all the speakers for making excellent presentations, material & deliberation

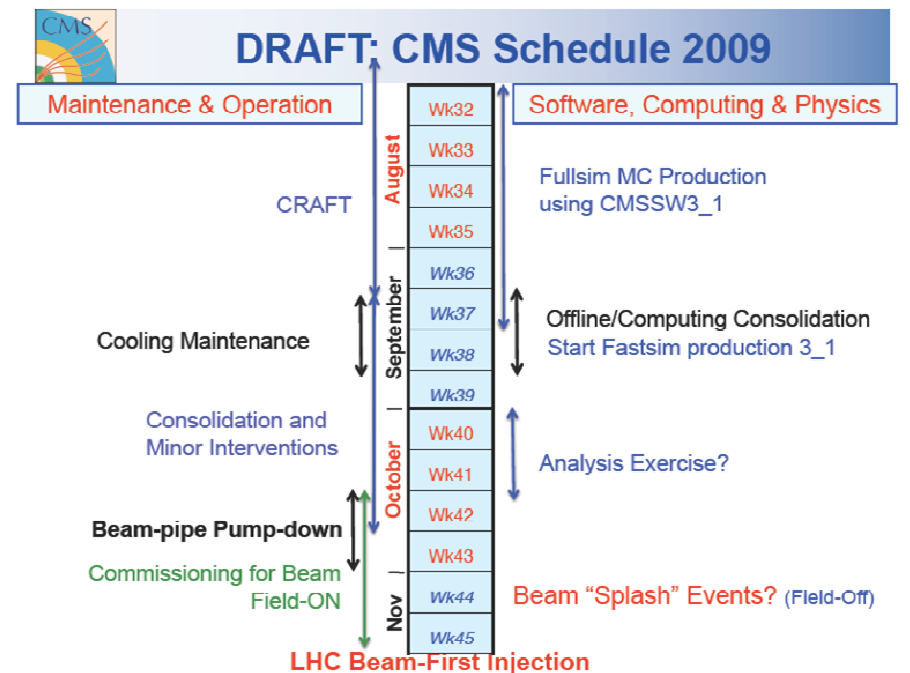
My (biased) impression – most (all!?) of them were (or will be in the near future) very useful for you

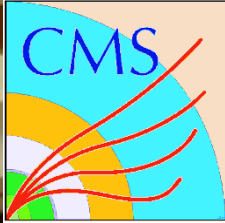


What's Next?



- LHC – as of today at 3pm CDT, the accelerator is expected to start running in mid-Nov; stay tuned for an imminent communication (today?!) from CERN's Director General
- CMS – the detector is as ready as one can be prior to seeing collisions
- The schedule for the next 6 months is tight but doable
 - CRAFT
 - MC production
 - October exercise
 - Final touches
 - Beams
 - Injection collisions (900GeV)
 - Multi-TeV collisions





Conclusion & Outlook



- The J-Term is just the beginning of a long and extremely exciting journey
- The success of CMS depends on everybody's contribution
- Your idea may be a critical one
- Be innovative, be creative, be original
- Don't (always) take "NO" for an answer



The next two decades will be dream comes true for all of us – start enjoying it

