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QCD mtg., Oct. 3, 2003.

Jet Subgroup Report

- Jet subgroup was successful in pushing analyses for 2003 Winter & Summer
- Need to keep the momentum up
- Establish goals for Winter 2004 conferences
- Improve existing jet measurements & introduce new ongoing analyses
- Many other possible analyses exist
- **Meetings: Off-week Fridays 11:30-1 in Trailer 159 (video available)**
- **Mailing list: cdf_jet@fnal.gov (archived)**
- **Web page: link from CDF QCD page holds copies of presentations**

Jet Analyses

- Midpoint algorithm for all analyses!
- Inclusive jet cross section (& dijet mass):
 - Want to see raw s (jet): data vs. MC
 - Unsmearing to hadron level using Run II MC
 - Focus on central
 - Forward is secondary
- Dijet angular:
 - Unsmearing to hadron level using Run II MC
 - Need improved simulation in forward region
- b-jet cross section:
 - Midpoint cone 0.4 or 0.7
 - Two independent analyses
 - How to unsmear b-jets?
- W+jets:
 - Overlap with lepton+jets group
 - Focus on jet-specific issues

Analysis Resources

- Disk space is/will be available
- Each analysis should be able to make their own ntuples
- Jet subgroup will provide prototype ntuples & instructions, tcl files for how to remake them
- CAF is preferred platform
 - (factor 3 faster for analysis than fcdsg2)