



# Software and Support for USCMS



# Introduction

- I am a new member of CMS. I will be dedicating 80% of my time to CMS and 20% to CDF.
- I am currently a co-leader of CDF software and computing (until Mar 2005) and I have been working on CDF software for 17 years.
- Job's at CMS:
  - Member of the USCMS project execution team
  - Co-leader of the LPC offline group with Hans Wenzel
  - Technical coordinator of infrastructure redesign at FNAL
  - Liaison with CERN central support



# Relationship to LPC

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- The LPC subgroups are organized into reconstruction groups such as tracking, muon, e/gamma, jet/met etc
- This work shares a common set of tools and must be integrated. It is the role of Hans and I to coordinate these efforts and anticipate support needs.
- WBS item for Jet/Met redesign support...there will be others



# Coordinate with CCS

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- I'm completely new to this. Drawing from my previous experience, I believe this means that I will be the technical point person for collaboration across the ocean.
- I'm going to CERN this weekend and I hope to learn more about this.
- I have established a good working relationship the CMS architect, and hope to meet the infrastructure and services manager



# Coordination of FNAL resources

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- Dedicated resources
  - Bill Tanenbaum, Natalia Ratnikova, Marc Paterno
  - Walter Brown, John Marraffino
- Opportunistic resources
  - Mark Fishler, Jim Kowalkowski...



# Plan of Work

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- User Support
  - help desk support lpc-howto
  - Reevaluation of new SCRAM release
  - Integration of FNAL and CERN run time env.
  - Support of the LPC development env.
  - Development of transparent job submission



# Plan of Work (cont.)

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- LPC engineering support
  - Consulting help for Jet/Met rewrite
  - Avi tells me there will be more...
- Re-engineering of CMS core software (likely)
  - A proposal was submitted by a joint FNAL-CCS team
  - A copy of this document is available in the supporting documentation for this review
  - Start of work is pending