

Closing Comments

Jerry Blazey

**DO Collaboration Meeting
September 2005**



Partial Calendar

- **A Few Conferences/Workshops:**
 - CDF/D0 Top Mass Workshop, Fermilab, Oct 11, 2005
 - Top Turns Ten, Fermilab, October 21, 2005
 - LaThuile, Val d'Aoste, Italy, March 5-12, 2006
 - Moriond, Val d'Aoste, Italy, March 11-18, 2006
- **Collaboration Meetings:**
 - International Finance Committee, October 20, 2005
 - Fermilab, December 5-9, 2005
 - Fermilab, Physics Workshop, February 20-21, 2006
 - Fermilab, March 6-10, 2006
 - Manchester, England, June 19-24, 2006
 - Fermilab, September 11-15, 2006
 - Fermilab, December 4-8, 2006



Additional Announcements

- **Volleyball Tournament this evening.**
- **Video switch from 82XXXXX to 85XXXXX starting Monday next week October 3.**
- **Advisory Council Election Results:**
 - **Welcome Sergey Burdin, John Butler, Gene Fisk**
 - **Thanks to Laurent Duflot, Alan Stone, Brigitte Vachon**
- **Authorship Committee**
 - **Welcome Reinhard Schwienhurst**
 - **Thanks to Emanuelle Perez**



Update of March Slide → Sept.

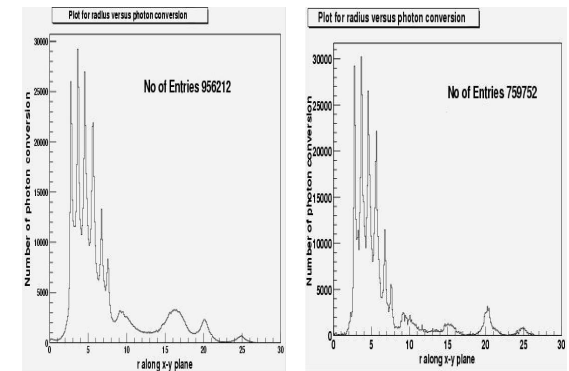
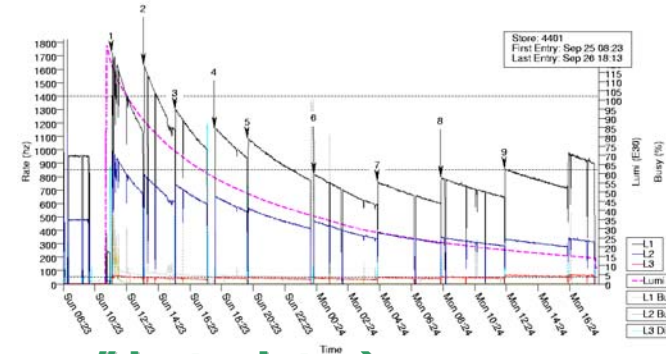
- **Operations**
 - **~90% efficiency → ~90%**
 - **0.6 fb⁻¹ to tape → 1.0 fb⁻¹**
- **Processing/Computing**
 - **Reconstructing data immediately → Spare capacity**
 - **P17 released → Working towards a single release**
 - **Remote processing imminent → >90% complete**
- **Physics**
 - **Submitted 16 papers with ~0.2-.4 fb⁻¹ → 31 papers**
 - **>50 analyses → >70 preliminary results**
- **Upgrade**
 - **Calorimeter, L1CAL successful milestones → Passed TRR**
 - **Layer Zero making excellent progress → Done**

Great progress on all fronts...



And There's More...

- **Detector/Operations**
 - β^* improvement, record $1.21E32 \text{ cm}^{-2}\text{s}^{-1}$ store
 - FPD L1 & L3 triggers ready
 - Luminosity system ready
- **Algorithms**
 - Calorimeter calibration complete (a “wild dream” last winter)
 - TrackCalJet
 - MC : SMT/CFT hits, material, MB overlays
- **Computing review successful**
- **Upgrade**
 - Successful L1CTT and Layer Zero TRRs
 - Analog Front End Upgrade moving along well
 - Trip T chip back, looks good
 - Prototype Boards also in good shape
- **B-Bandwidth**
 - Submitted to DOE
 - Universities remain enthusiastic.
 - Streaming works and will support the higher BW
- **P5 went well, returning in 2007.**



And this was just a sample...



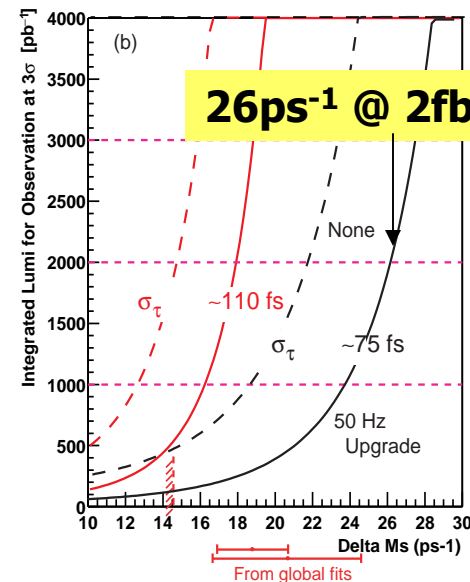
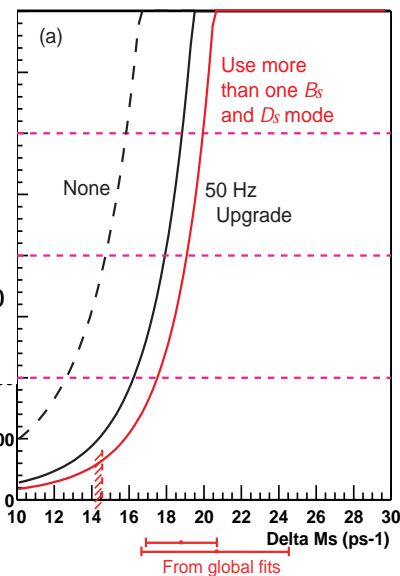
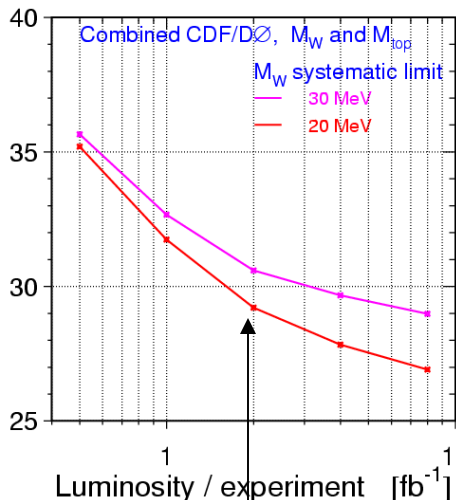
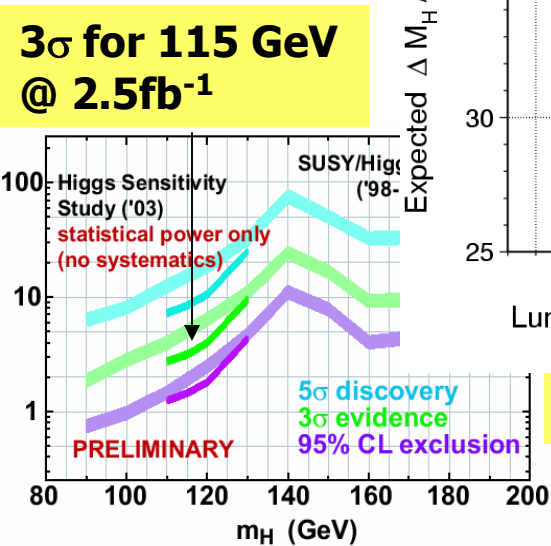
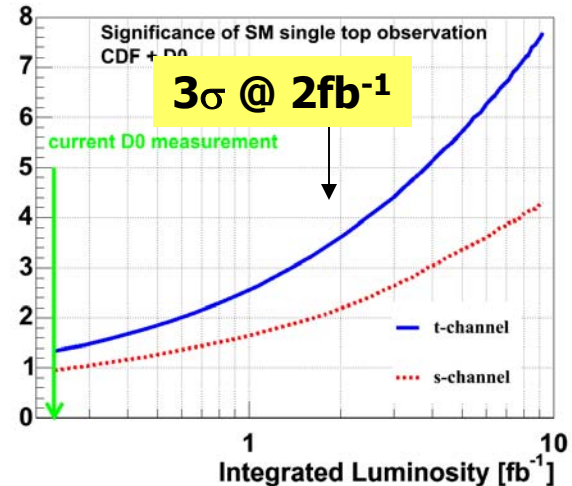
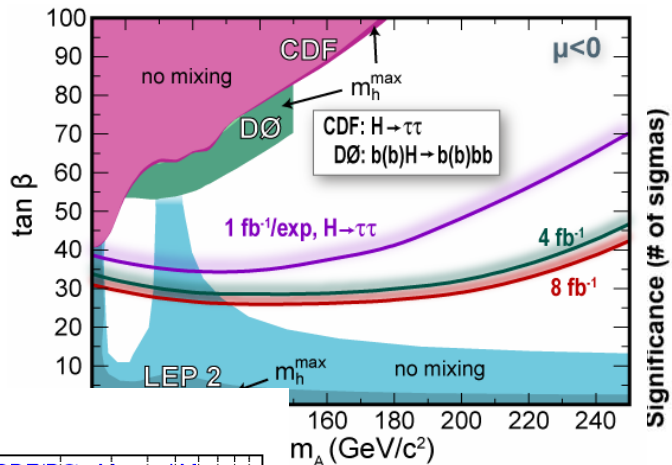
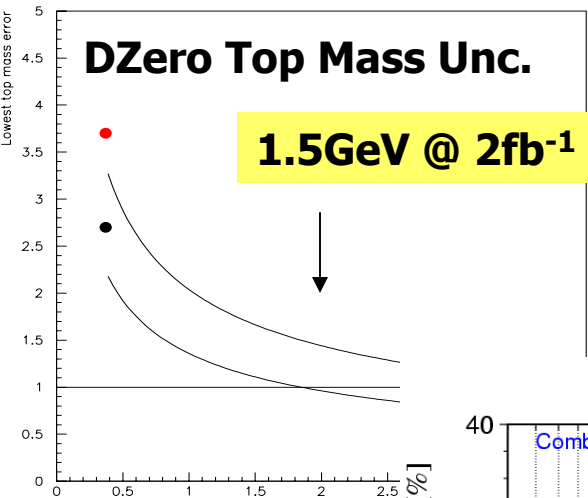
Challenges/Moving Forward

- **Preparation of 1 fb⁻¹**
 - **Balancing of resources**
 - **Timely completion of fixing/skimming (now on farm)**
 - **MC on the critical path**
 - **Luminosity Constant**
- **Understanding of detector/systematics**
 - **GG: "We can get to 1%!" [top mass uncertainty]**
 - **MH: Need to finish algorithms/calibrations**
- **Ensuring adequate manpower through 2007**
 - **Detailed matching of commitments and needs**
 - **Negotiation of MOUs**
- **V15 Trigger**
- **Rethinking the shutdown**
 - **Should have Director's decision within a week**
 - **Formulate strategy**
 - **Understand resource needs**

**All doable, in a year
should see full potential of DZero!**



The Tevatron's Potential



"Top Turns Ten"

**Remember:
Invitations up stairs!
Participate!
Posters!**

TOP TURNS TEN
10th Anniversary of the Top Quark Discovery

top quark

Fermilab
October 21, 2005

An afternoon symposium in celebration of the 10th anniversary of the discovery of the Top Quark at Fermilab by the CDF and D0 collaborations. A reception in the Wilson Hall atrium will follow the symposium.

Details at <http://www.fnal.gov/pub/news05/TopTurnsTen.html>

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