

Closing Comments

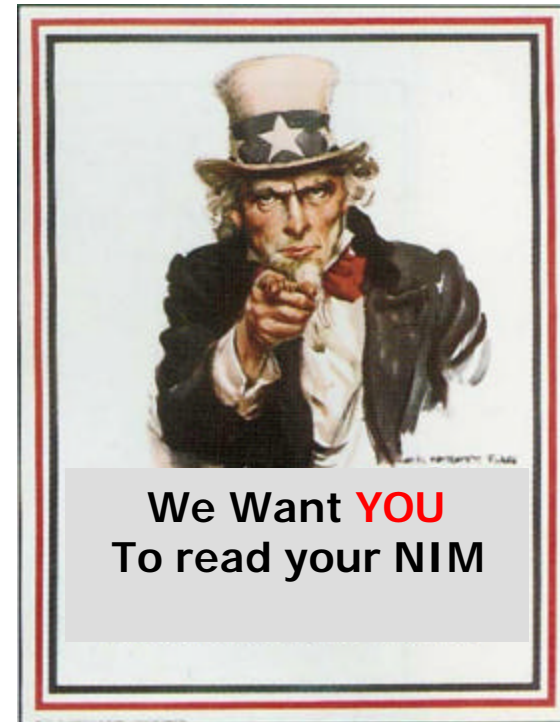
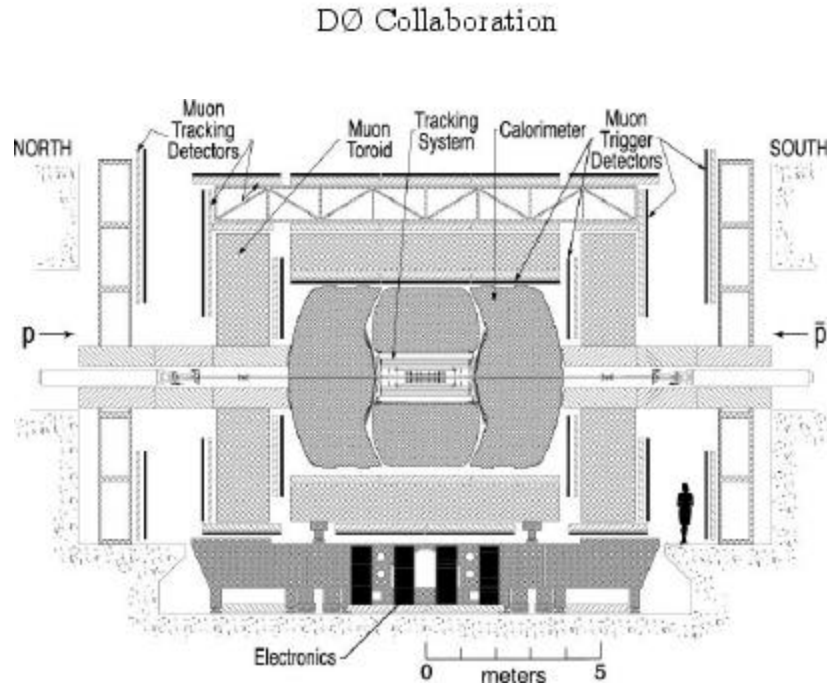
Jerry Blazey

DO Collaboration Meeting
February 2005



Read your NIM!

The Upgraded DØ Detector



http://www-d0.fnal.gov/Run2Physics/WWW/d0_private/reviews/Run2Det_Index.pdf

Partial Calendar

- **A Few Conferences:**
 - Moriond QCD & EW, Mar 5-19, 2005
 - Top Quark Symposium, April 7-8, 2005, Ann Arbor
 - User's Meeting, June 8-9, Fermilab
 - SUSY2005, July 18-23, 2005, Durham
 - HEP2005, Europhysics, July 21-27, 2005, Lisboa
 - LP2005, June 27- July 7, 2005, Sweden
- **Collaboration Meetings:**
 - Higgs Workshop, May 12-13, Fermilab
 - **June 13-17, 2005 @ Vancouver**
 - September 26-30, 2005 @ FNAL
 - December 5-9, 2005 @ FNAL



Vancouver Themes

- **Physics with 1fb^{-1}**
 - What are the most compelling prospects?
 - What are the timelines for reconstruction improvements, reprocessing, and ID certification?
 - What triggering will be required?
- **Upgrade Endgame**
 - Finalization of installation, integration, certification plans
 - Evaluation of on-line, off-line software preparedness
 - Presentation of trigger menu.
- **Program committee in formation.**



We continue to do well

- **Operations**
 - ~90% efficiency
 - 0.6 fb⁻¹ to tape
- **Processing**
 - Reconstructing data immediately
 - P17 released
 - Remote processing imminent
- **Physics**
 - Submitted 16 papers with ~0.2-.4 fb⁻¹
 - Four of six most important Fermi Today Results of the Year
 - >50 analyses
- **Upgrade**
 - Calorimeter, L1CAL successful milestones
 - Layer Zero making excellent progress.



Challenges

- Personnel for continued operation
- Automate data handling
 - Adoption of CAF
 - Systemize certification
 - Skimming/fixing on the farm
- Ensure that all $\sim 0.9\text{fb}^{-1}$ of Run IIa data available in 2005
 - Currently engaged in wide discussion of required road map
 - Clear that calorimeter calibration, JES, IDs require diligence
 - These are necessary steps, new analysts must contribute.
- Smooth installation and commissioning of upgrade
 - SCIPC is a good start, clearly enumerates areas in need
 - Ask project managers & management how you can help
 - Provisional Date/Duration: October 3rd 12-14 weeks
 - From the collaboration's view this an "all hands" event, find ways to contribute

With these steps we will reach the multi fb^{-1} realm and set the stage for interesting signals!

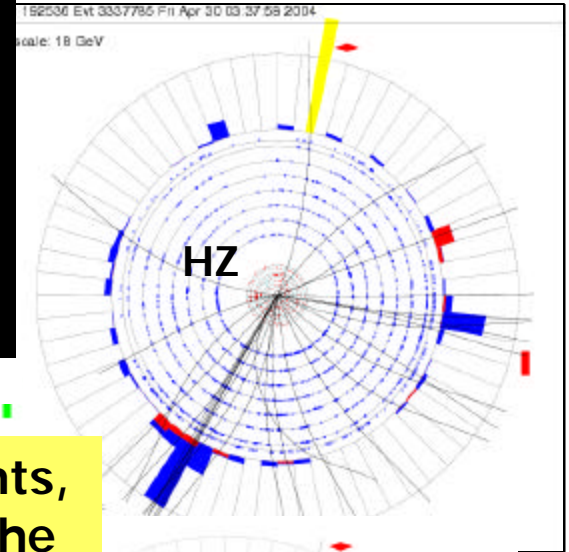
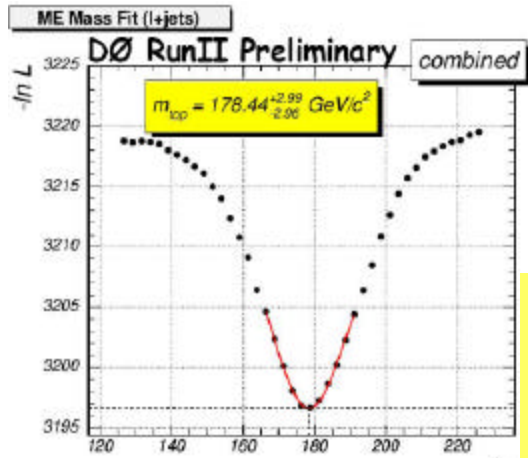
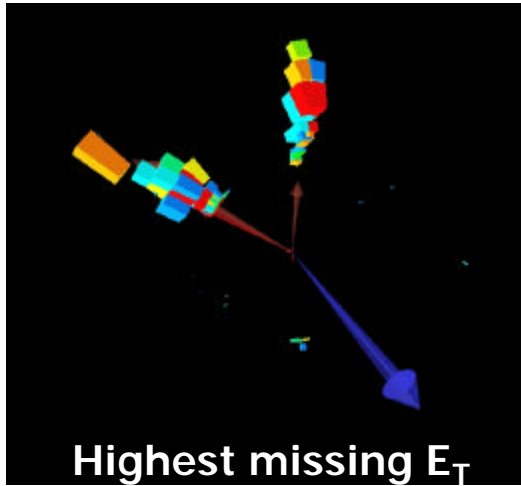


A Glance Back: Top Discovery

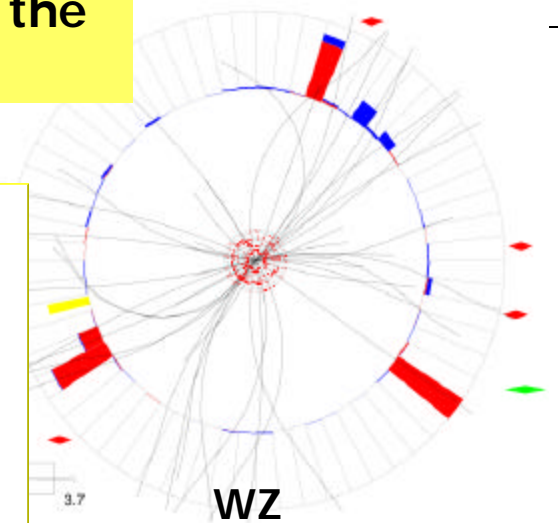
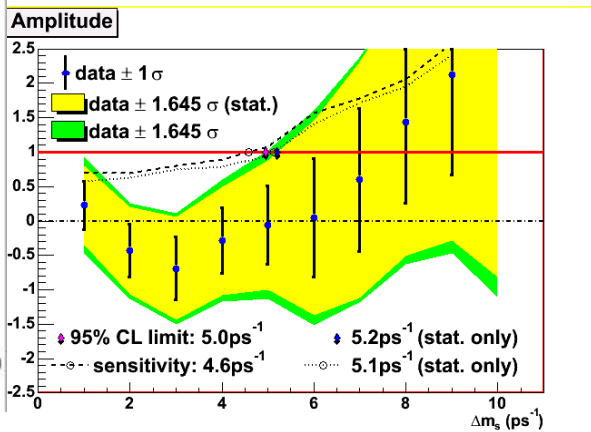
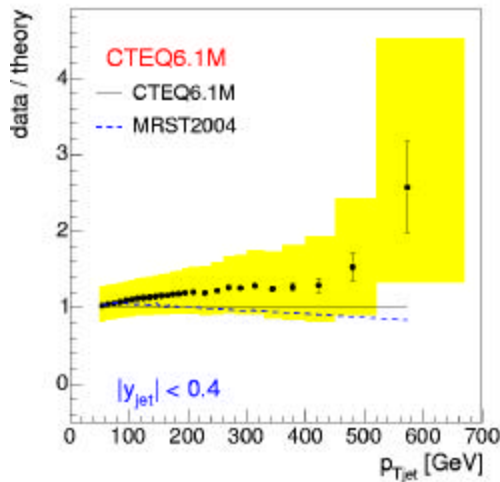
- February 24, 1995 at 11am the D0 collaboration, simultaneously with CDF submitted the "Observation of the Top Quark"
- Some amusing quotes from the weeks running up to submission:
 - ...I am still uneasy about... accelerated.. reviewing..I accept the situation is inevitable.
 - The 54 to 234 m_3j axis of the lego plot seems "arranged"
 - A brief boy-meets-boy email love story:
 - For some reason Bob puts fist thru office door
 - Ray and Bob get in shouting match about wacky mumu question.
 - Ray and Bob fall madly in love and decide to move to Paris.
 - The conclusion is paltry.
 - I will let Tom worry about the grammer [sic].
 - Damn the torpedoes, full speed ahead!
- DZero was and is a discovery machine!



A current physics sampler



Our interesting results, events, and preparation all ensure the full potential of Run II

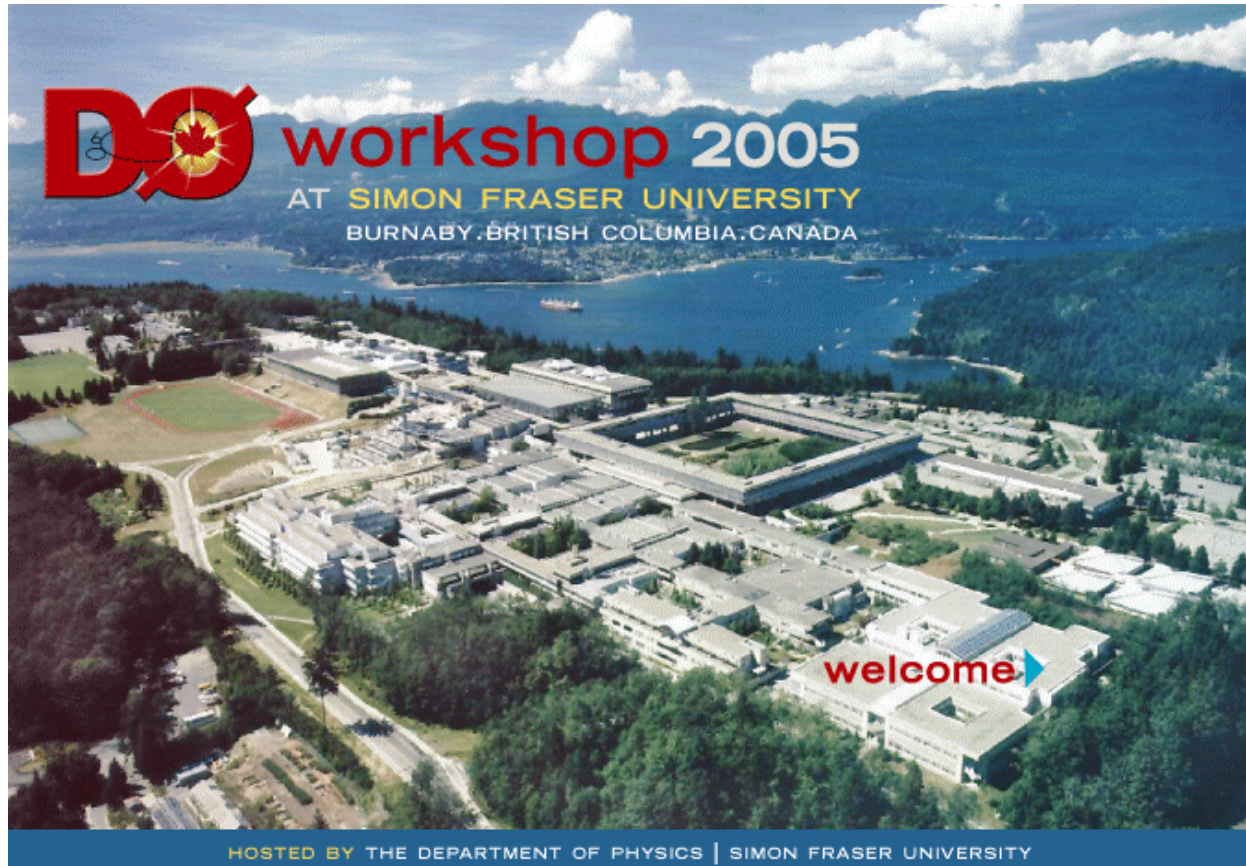


Comments from Dr. Orbach

- Expressed collaboration enthusiasm
- Discussed long term sensitivity and upgrade of DZero
- On the Tevatron program
 - Trying to strike a careful balance between facilities and university support
 - Committed to support the Tevatron and run until a “smoking ruin”
 - Perhaps beyond 2010...



See you in Canada, eh?



<http://www.sfu.ca/conferences/d02005/>

