

# **(A Few) Closing Comments**

**Jerry Blazey**



**DO Collaboration IB Meeting  
October 2003**



# Our Status

- We have made and continue to make great progress
- We operate at 90% efficiency and have  $>200$  pb<sup>-1</sup> of data in the can. We are entirely competitive here. The shutdown is proceeding well.
- We are improving our understanding of our detector. FEB optimization, SMT recovery, Calorimeter noise reduction...
- We are improving our detector, reconstruction, and processing capabilities ... CPS and FPS ready for physics; FPD, CTT and STT completion; tracking and timing optimization, remote farms... all represent tremendous progress by the collaboration.
- There is still much to do to reach full potential. We need to maintain our focus on the fundamental issues. Pitch in, and when you see a problem, work to solve it!
- But this is not enough, as we heard in the earlier talk ensuring support has taken on increasing importance...



## **Our Commitment**

- We are here to reaffirm the DZero collaboration's commitment to Run II.
- We ask for HEPAP's strong recommendation to DOE and NSF to keep the flagship Tevatron program as the top priority.

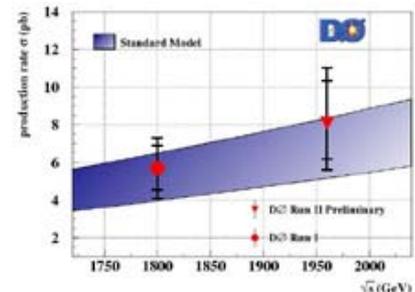
## **Support for Run II**

- We must all publicly deliver the message that the high energy physics program at Fermilab has and will continue to offer exciting physics and is deserving of unstinting support.
- We are eager to discuss Run II with DOE and NSF in Washington or at Fermilab. We are pleased to accept Robin Staffin's offer to visit DZero October 8<sup>th</sup>. [ And Joe Dehmer November 14<sup>th</sup>]
- We urge strong affirmation of HEPAP's support for Run II. We ask that the endorsement explicitly request *continued and increased* financial backing for the project until the onset of the LHC physics program:
  - Accelerator upgrades.
  - Operation of the detectors.
  - Funds for post docs and students.



# The Public

- **Fermilab Today – Yesterday**
  - Top Quark Production at DZero
  - Efforts are appreciated
  - Mailed directly to DOE, OMB, OSTP, NSF
- **This is a great start, and we should develop additional venues**
  - Discussing publication in Nature
  - Science next?
  - Popular Press? Anyone for the NY Times?
- **Give Talks!**



# The Upgrades

- **My thanks to those of you that invested your time and effort in the Silicon Upgrade.**
- **Our continued involvement in the upgrade make an emphatic statement about our commitment.**
- **The trigger upgrades are making excellent progress and are on track...integration tests last night, CTT prototyping...**
- **We have received clear encouragement to pursue a layer zero and will present a preliminary design next week. In my opinion, the maintained capability makes it worthwhile.**



# Belatedly

- **Trigger Masters Terry Toole and Elizabeth Gallas have guided DZero through an important period with rapidly expanding trigger capabilities. Beyond the creation and maintenance of the trigger menus they have also created and improved an important set of trigger tools. They've retired but are still working behind the scenes.**

## A BIG THANKS!

- **And thanks to Tom Diehl for an "assist" during crunch time.**



# **(Partial) Calendar**

- **October 11-12<sup>th</sup> Trigger Upgrade Workshop**
- **October 13<sup>th</sup> Power Outage and Scheduled Computing Downtimes. As Stu Fuess says "its pencil and paper time". Read some physics!**
- **October 31<sup>st</sup> Trigger Workshop with a follow up in November**
- **November 22<sup>nd</sup> First Post Shutdown Store**
- **December 2-4<sup>th</sup> (?) December Calorimeter Workshop**
- **December 5-6<sup>th</sup> New Phenomena Workshop**
- **February 23-27<sup>th</sup>, 2004 Collaboration Meeting**
- **June 7-12<sup>th</sup>, 2004 Collaboration Workshop [Fresno, CA](#)**
- **September 20-24<sup>th</sup>, 2004 Collaboration Meeting**
- **December 6-10<sup>th</sup>, 2004 Collaboration Meeting**



# The Landscape

- **The past few months have been tumultuous. Cancellation of the Run IIb Silicon Upgrade was a serious, saddening set back.**
- **But the capabilities and physics case remain compelling.**
  - **We have already surpassed Run I luminosities.**
  - **The projected ~fifty-fold increase in statistics relative to Run I represents an exciting physics program.**
  - **There's much fun and excitement ahead!**
  - **Next time we meet we'll be discussing publications.**
- **Thanks for all your efforts and see you again soon...**

