

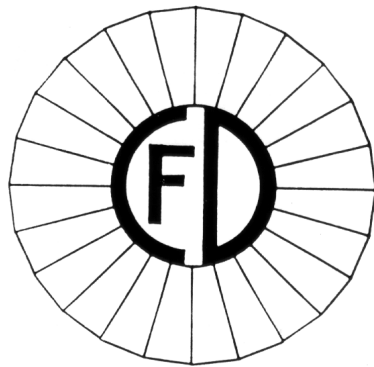
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SLMIN .SYS 12P 20-Dec-85    VM .SYS 3P 13-Aug-86
XL .SYS 4P 20-Dec-85    LD .SYS 8P 23-Aug-86
SP .SYS 6P 13-Aug-86    DL .SYS 5P 13-Aug-86
RT11SJ.SYS 78P 13-Aug-86  DU .SYS 8P 13-Aug-86
NL .SYS 2P 13-Aug-86    TT .SYS 2P 13-Aug-86
SD .SYS 5P 31-May-85    RLO2DC.SYS 71P 21-Nov-84
BASIC.SAV 56 24-May-79  BINCON.SAV 24 20-Dec-85
DATIME.SAV 4 20-Dec-85  DIR .SAV 19 20-Dec-85
DUMP .SAV 9 20-Dec-85  DUP .SAV 47 20-Dec-85
TSXMOD.SAV 78 27-Nov-82  FORTA.SAV 206 21-May-85
HARRIS.SAV 41 12-Jun-85  LET .SAV 5 20-Dec-85
START.P36 2 21-Dec-81  RETRO.OBJ 1519P 16-May-88
EM1A.STH 19P 02-Feb-83  TSXUCL.TSX 22 07-Mar-82
STAND.LIN 12P 15-Aug-83  TSXV6.MSC 1P 04-Sep-85
EM1B.STH 19 11-Feb-83  JKFLIP.SAV 30 08-Mar-86
JKFLIP.FOR 3 08-Mar-86  RT11FB.SYS 93P 20-Dec-85
ANMOD.SAV 38 18-Apr-83  TSXP23.NEW 1200P 27-Nov-82
DUO.DIR 18 16-Jul-86    DL .DIR 7 16-Jul-86
DIR.DIF 26 16-Jul-86    DEMOFC.OBJ 1 -BAD-
DEMOBC.OBJ 1 -BAD-
114 Files, 5949 Blocks
14433 Free blocks
.O
```

BC-BS 20768  
digital VT100



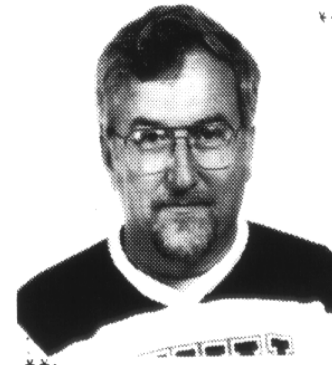
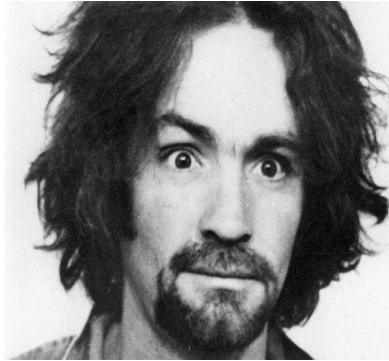


# WE THE PEOPLE OF



1987

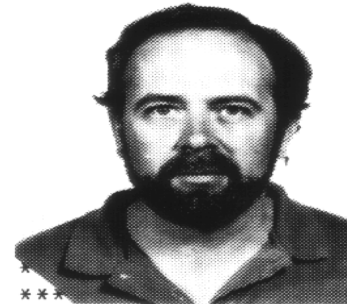
*Residents feared that the influx  
of physicists would:  
“disturb the moral fiber of the  
community”*



DENNIS THERIOT



FRANCO BEDESCHT



ROY F. SCHWITTERS  
ROY



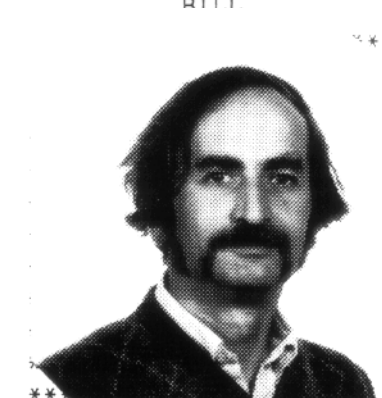
WILLIAM C. CARITHERS  
RTII



MARGORIE SHAPIRO  
MARGE



STEPHEN HAHN  
STEVE  
Senior Research Techn



LAWRENCE NODULMAN  
TADDY



Fermi National Accelerator Laboratory  
P.O. Box 500 • Batavia, Illinois • 60510

Directors Office

Bob Wilson 1976

December 13, 1976

Dear Colleagues:

On November 17 a meeting was held to discuss various possibilities for the organization of work on colliding beam experiments. After considering the ideas set forth in that meeting, I am proceeding to set up a Colliding Beam Experiments Department within the Research Division.

Superconductivity : *"the elixir to rejuvenate accelerators and open new vistas to the future".*

Reaction at CERN: "a big room with these guys sitting up there laughing... they thought we were nuts."



Fermilab

Colliding Beams Meeting

May 6, 1977

Present: J. Cronin, J. Walker, H. Frisch, A. Tollestrup, R. Loveless, I. Gaines,  
R. Diebold, D. Cline, C. Rubbia, C. Ankenbrandt, D. Johnson, A. Ruggiero,  
M. Shochet

1) R. Loveless said that Cadillac may not get in until Tuesday.

“air of unreality”

Cost “a completely unrealistic level of \$26M” : 1979.

MARK-I and Roy Schwitters to the rescue.....





Ground breaking 1982



Upgrade to the office space

“An eyesore” (FNAL management)







**Fermilab**

MINUTES OF THE COLLIDER DETECTOR MEETING

May 25, 1984

- 
1. CDF has run out of money.



**Fermilab**

MINUTES OF THE COLLIDER DETECTOR MEETING

November 9, 1984

1. There will be a workshop to discuss upgrades to the CDF detector in early January.



**Fermilab**

MINUTES OF THE COLLIDER DETECTOR MEETING

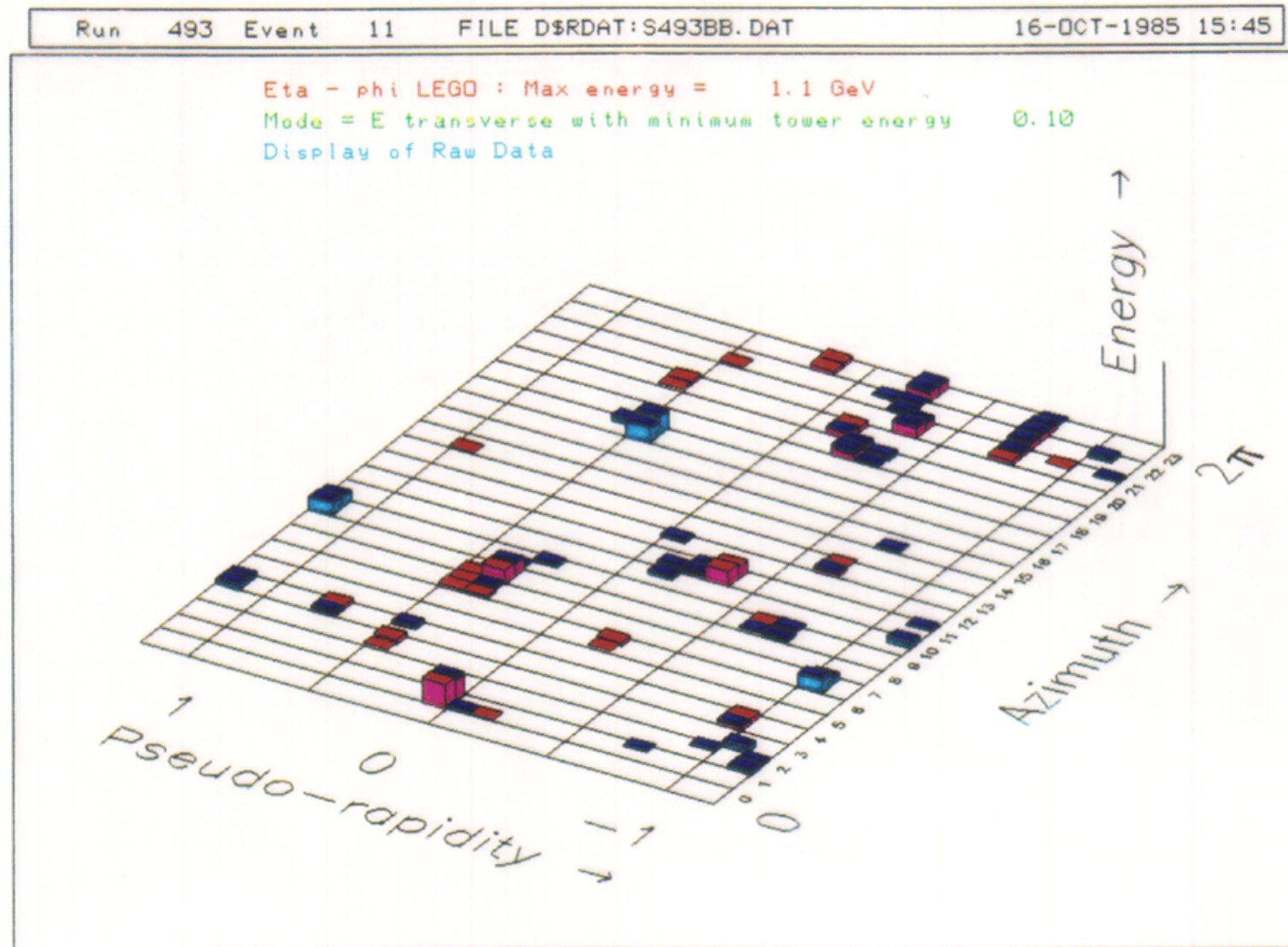
December 7, 1984

1. While in B0 people should watch out for falling objects.  
More formal safety procedures are under consideration.

Click on the **Class Code** to view the roster of the class you completed.

| Course Code                   | Course Title                                                           | Complete Date | Due Date   | Status   | Class Code            |
|-------------------------------|------------------------------------------------------------------------|---------------|------------|----------|-----------------------|
| <a href="#">FN000374 / CB</a> | Basic Computer Security                                                | 07/14/2013    | 07/31/2015 | Complete | <a href="#">74799</a> |
| <a href="#">FN000324 / CR</a> | Computer Workstation Ergonomics                                        | 09/02/2013    | 09/30/2015 | Complete | <a href="#">74790</a> |
| <a href="#">FN000387 / CR</a> | Electrical Safety Orientation                                          | 08/28/2006    | -          | Complete | <a href="#">55306</a> |
| <a href="#">FN000377 / CR</a> | Environmental Management System (EMS)                                  | 08/28/2006    | -          | Complete | <a href="#">55306</a> |
| <a href="#">PDFTBF01 / CB</a> | FTBF Hazard Awareness Training                                         | 01/24/2014    | 01/31/2016 | Complete | <a href="#">79804</a> |
| <a href="#">FN000311 / CR</a> | Fermilab Controlled Access                                             | 04/06/2015    | 04/30/2016 | Complete | <a href="#">85312</a> |
| <a href="#">FN000241 / CR</a> | GERT - (General Employee Radiation Training)                           | 05/14/2012    | -          | Inactive | <a href="#">70032</a> |
| <a href="#">FN000496 / CR</a> | GHS Hazard Communication Update                                        | 09/09/2013    | -          | Complete | <a href="#">78072</a> |
| <a href="#">FN000156 / CR</a> | Hazard Communication                                                   | 08/28/2006    | -          | Complete | <a href="#">55306</a> |
| <a href="#">FN000432 / CR</a> | Job Hazard Analysis                                                    | 09/07/2011    | -          | Complete | <a href="#">67215</a> |
| <a href="#">PDMC1001 / CB</a> | MC-1 (Muon g-2 building) Hazard Awareness Training                     | 03/24/2015    | 03/31/2016 | Complete | <a href="#">85273</a> |
| <a href="#">FN000034 / CR</a> | New Employee/User ESH&Q Orientation                                    | 08/28/2006    | -          | Complete | <a href="#">55306</a> |
| <a href="#">FN000199 / CR</a> | PPE (Personal Protective Equipment) Availability And Use               | 08/28/2006    | -          | Complete | <a href="#">55306</a> |
| <a href="#">FN000412 / CR</a> | Protecting Personal Information at Fermilab                            | 05/30/2010    | -          | Complete | <a href="#">64411</a> |
| <a href="#">FN000470 / CR</a> | Radiological Worker - Classroom                                        | 01/24/2014    | 01/31/2016 | Complete | <a href="#">80034</a> |
| <a href="#">FN000471 / OJ</a> | Radiological Worker - Practical Factors                                | 01/24/2014    | 01/31/2016 | Complete | <a href="#">79714</a> |
| <a href="#">FN000466 / CB</a> | Records Management Training                                            | 09/07/2011    | -          | Complete | <a href="#">67100</a> |
| <a href="#">FN000472 / CB</a> | Sustainable Acquisition                                                | 09/07/2011    | -          | Inactive | <a href="#">68085</a> |
| <a href="#">FN000512 / CB</a> | Technical Publications Training                                        | 03/24/2015    | -          | Complete | <a href="#">85331</a> |
| <a href="#">FN000433 / CB</a> | Traffic Safety Awareness                                               | 09/02/2013    | 09/30/2015 | Complete | <a href="#">74798</a> |
| <a href="#">FN000508 / CR</a> | Workplace Violence and Active Shooter/Active Threat Awareness Training | 04/06/2015    | 04/30/2018 | Complete | <a href="#">85276</a> |

First “events” in October 1985. CDF Collaboration : 180 members.

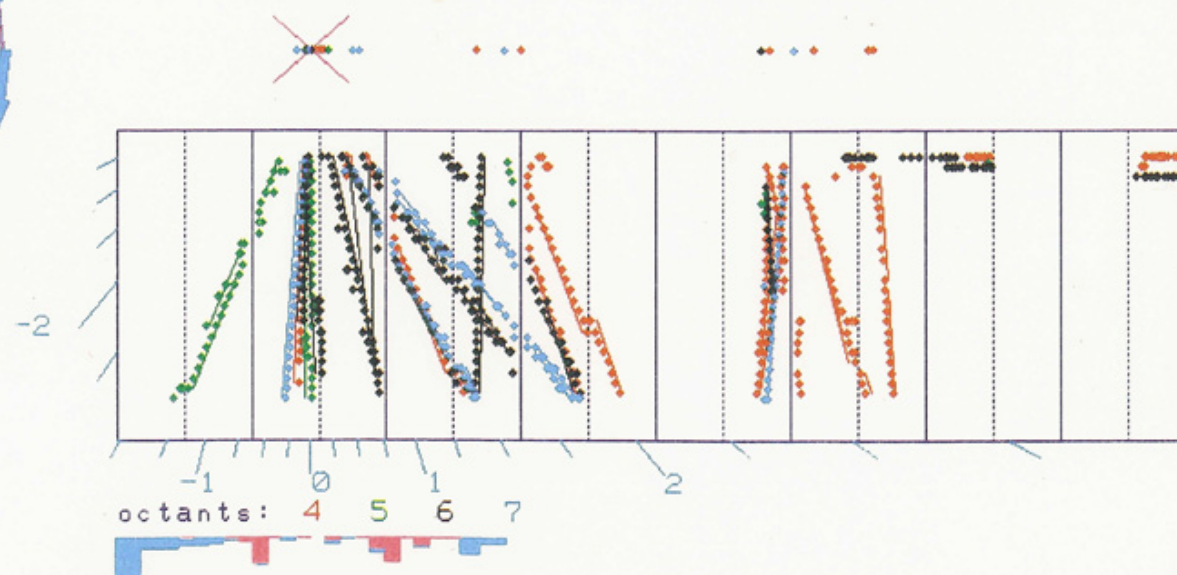
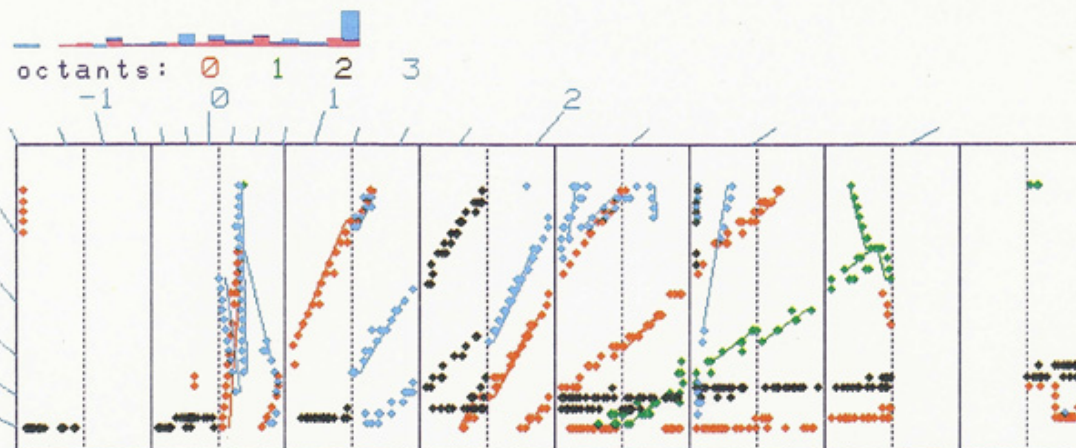
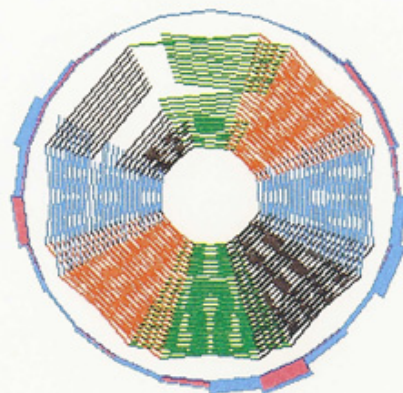


Run 494 Event 286

FILE C\$RDAT:N494VT.DAT

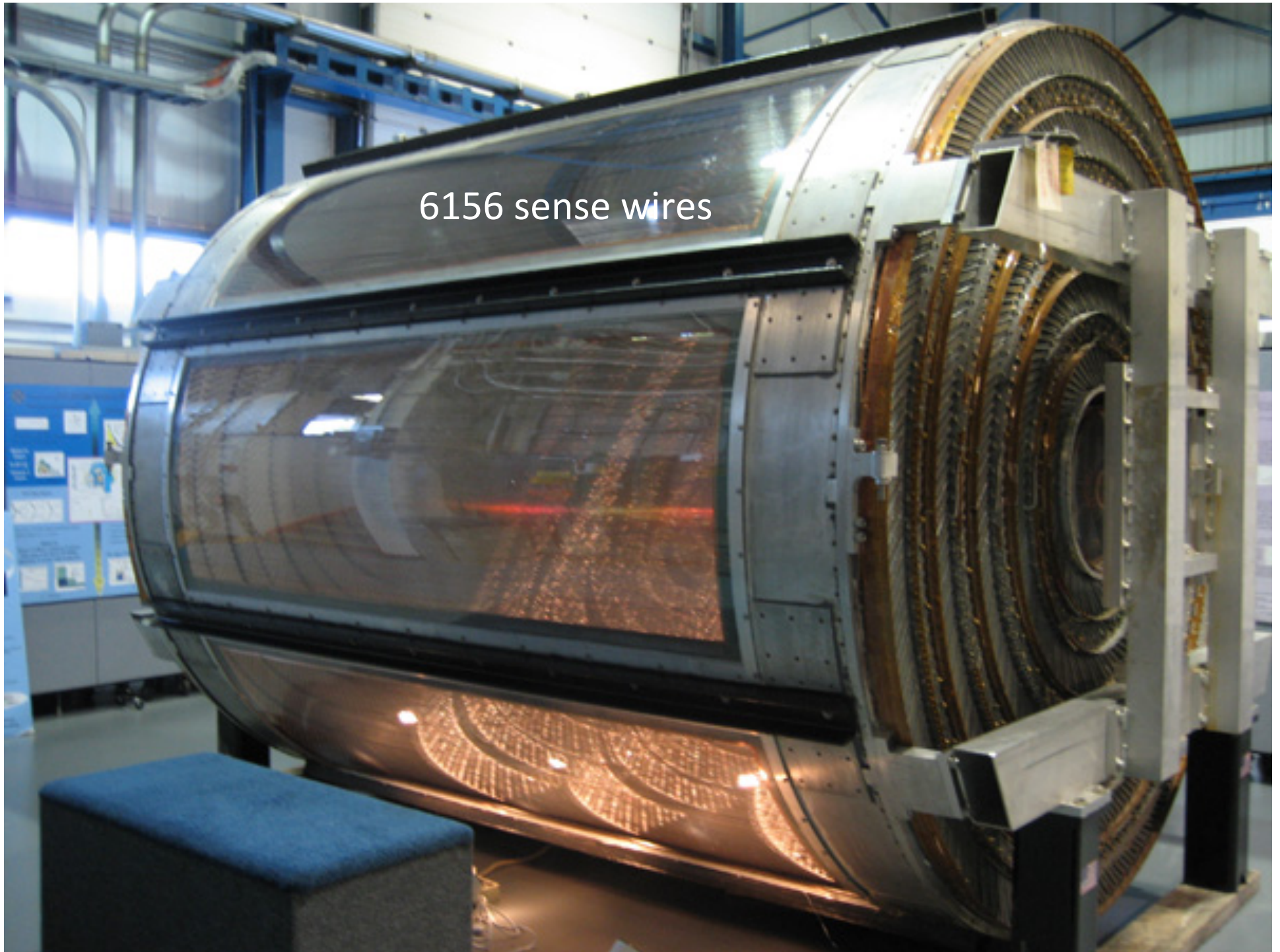
13-OCT-1985 08:40

Max energy = 2.5 GeV

 $E_{\text{max}} = 2.5 \text{ GeV}$ 



6156 sense wires



4608 sense wires

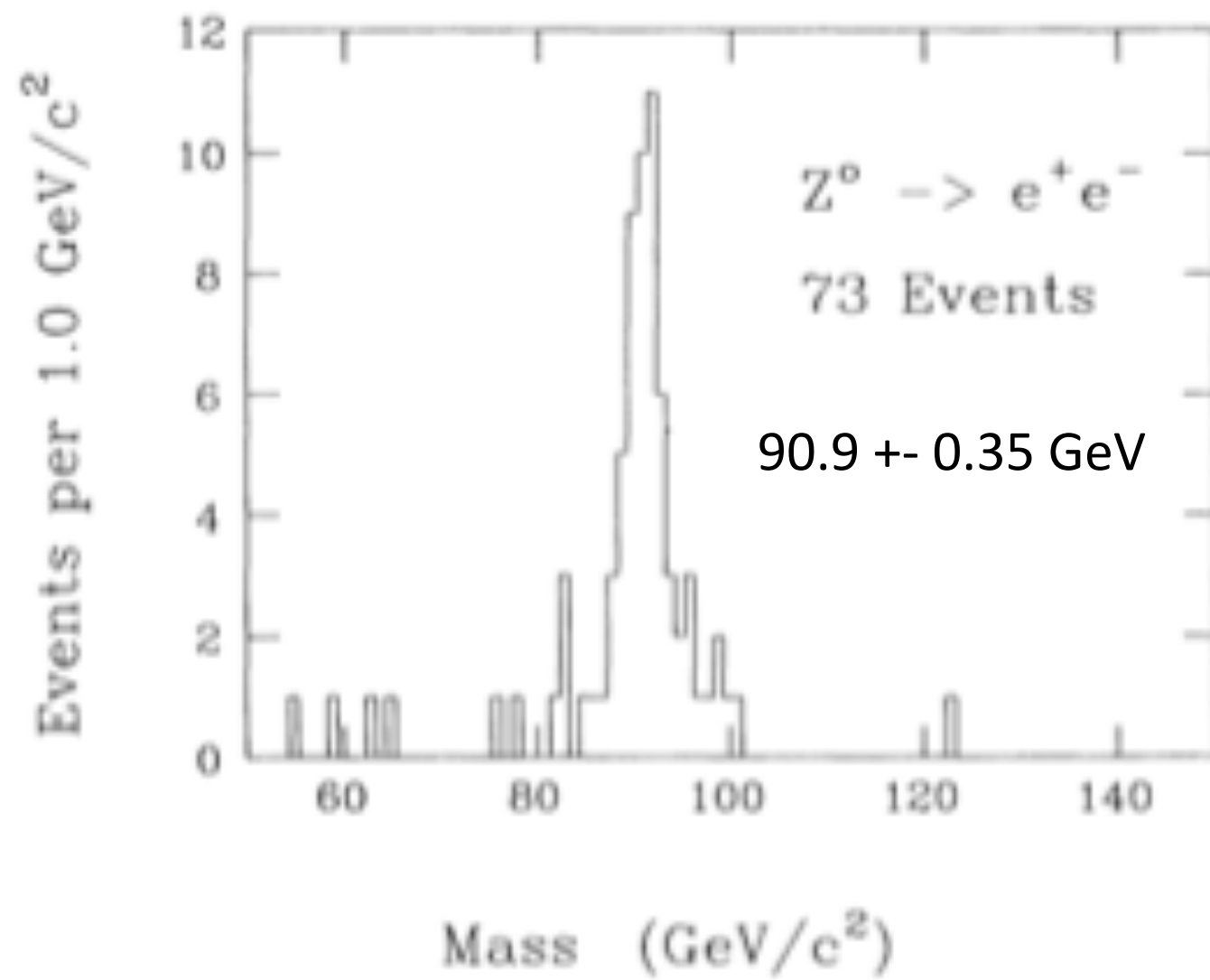




**This innovation remained in FNAL**







## HEAVY QUARK TRIGGER STUDIES

A. Baden, R. Cashmore

October 19, 1987

### 1 Introduction

In preparation for the upcoming 1988 run, we have made some studies of the CDF detector acceptance which might be useful for optimizing the efficiency for collecting  $t\bar{t}$  events. These studies were made using the current CDF version of ISAJET (5.2) at the parton level, i.e. quarks and leptons. We have done no event simulation. This is clearly necessary and should be pursued as a next step. However, it is

Fig 2)  $\Sigma Et$  Cuts

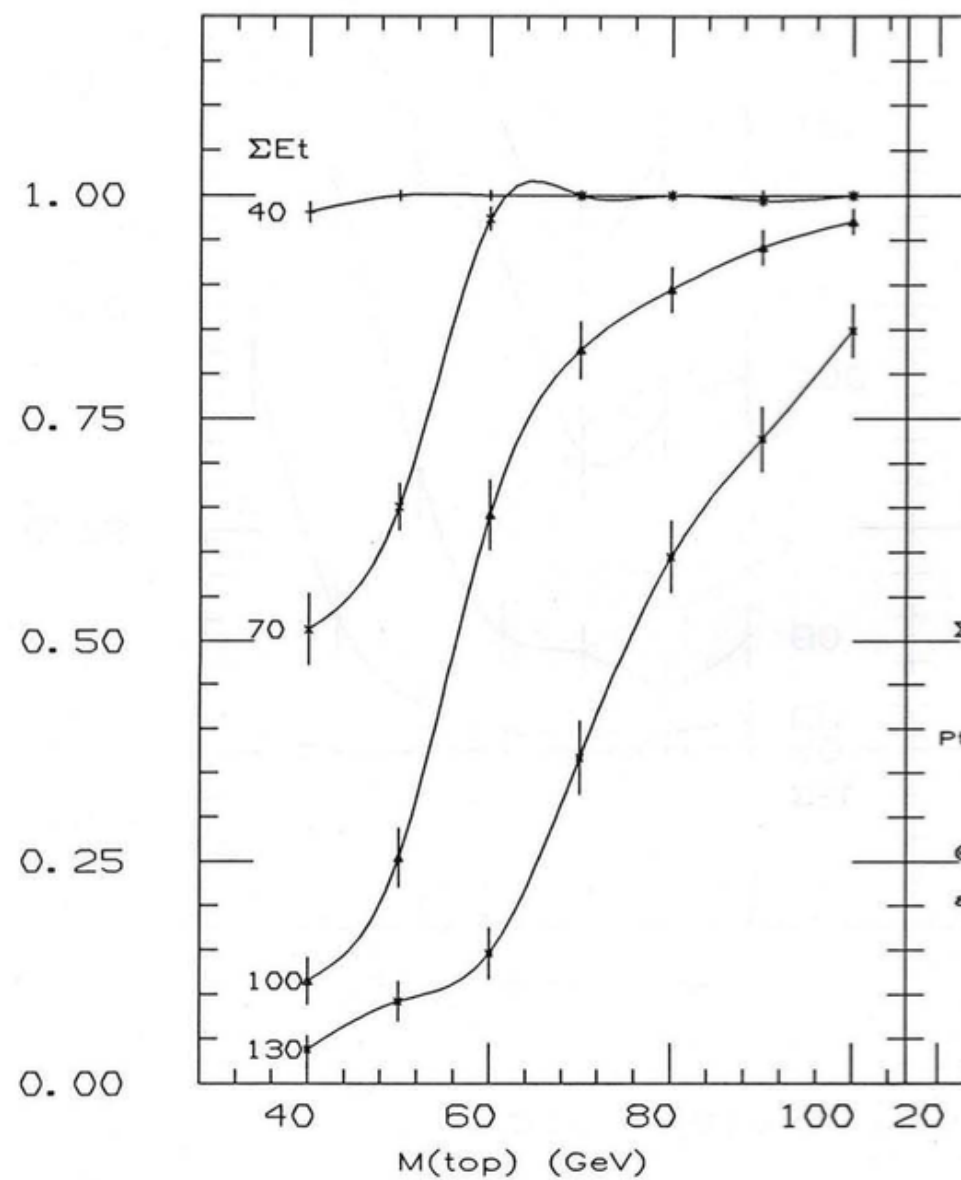
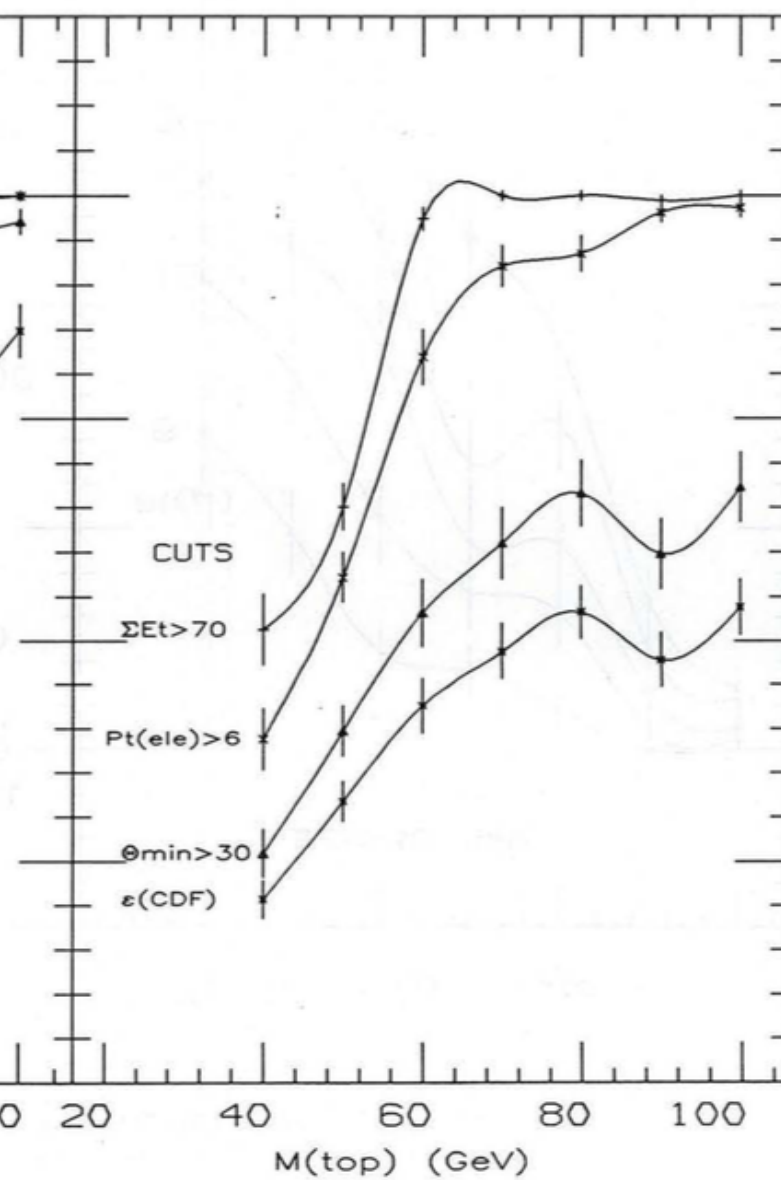
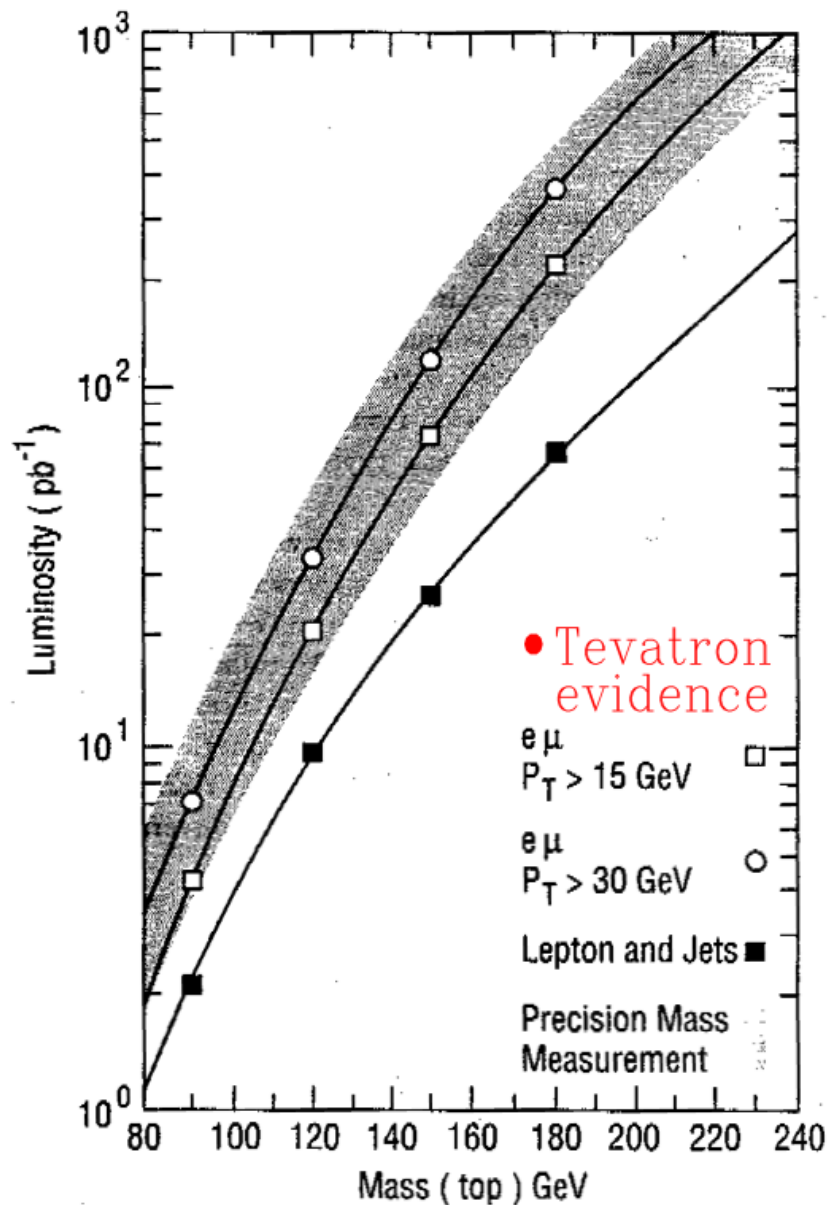


Fig 3) Various Cuts



## 1989 Prognostication on top production

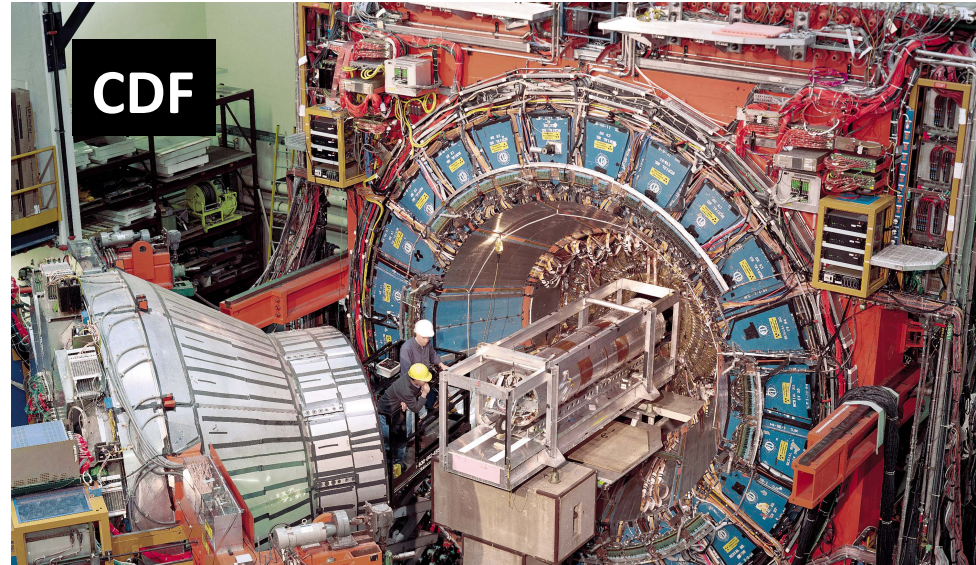


Predicted in 1989 that top quark discovery at 175 GeV would need 70 pb<sup>-1</sup> of data.

It needed 20 pb<sup>-1</sup>

$\pi$

Roger paved the way for the UK to become a major player in FNAL



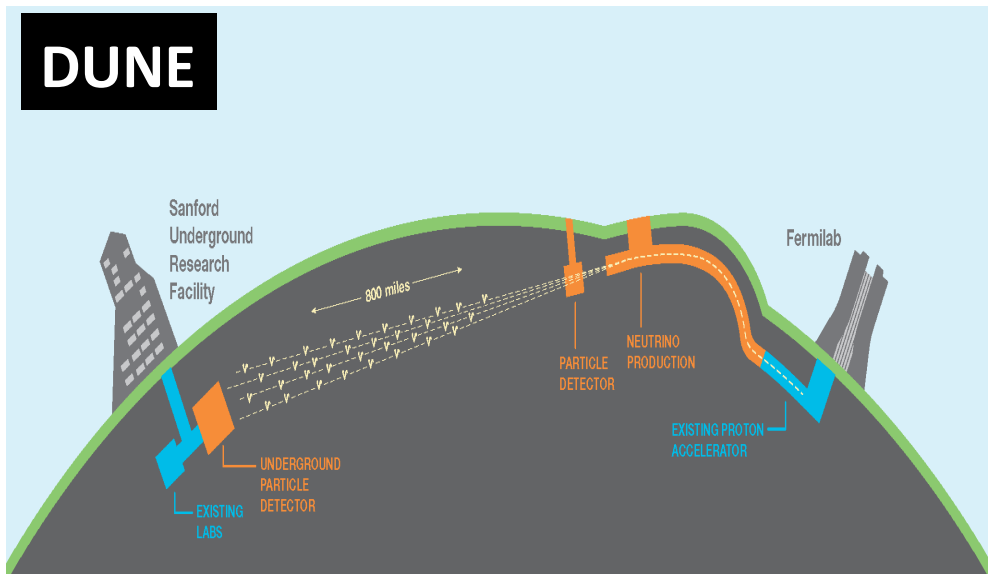
**NOVA**



**Muon g-2**



**DUNE**



**MicroBOONE**



