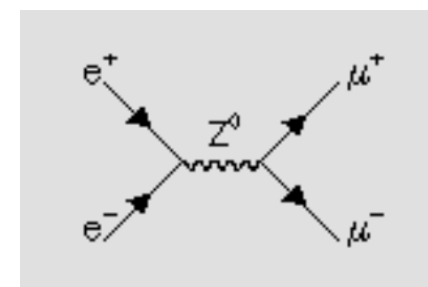
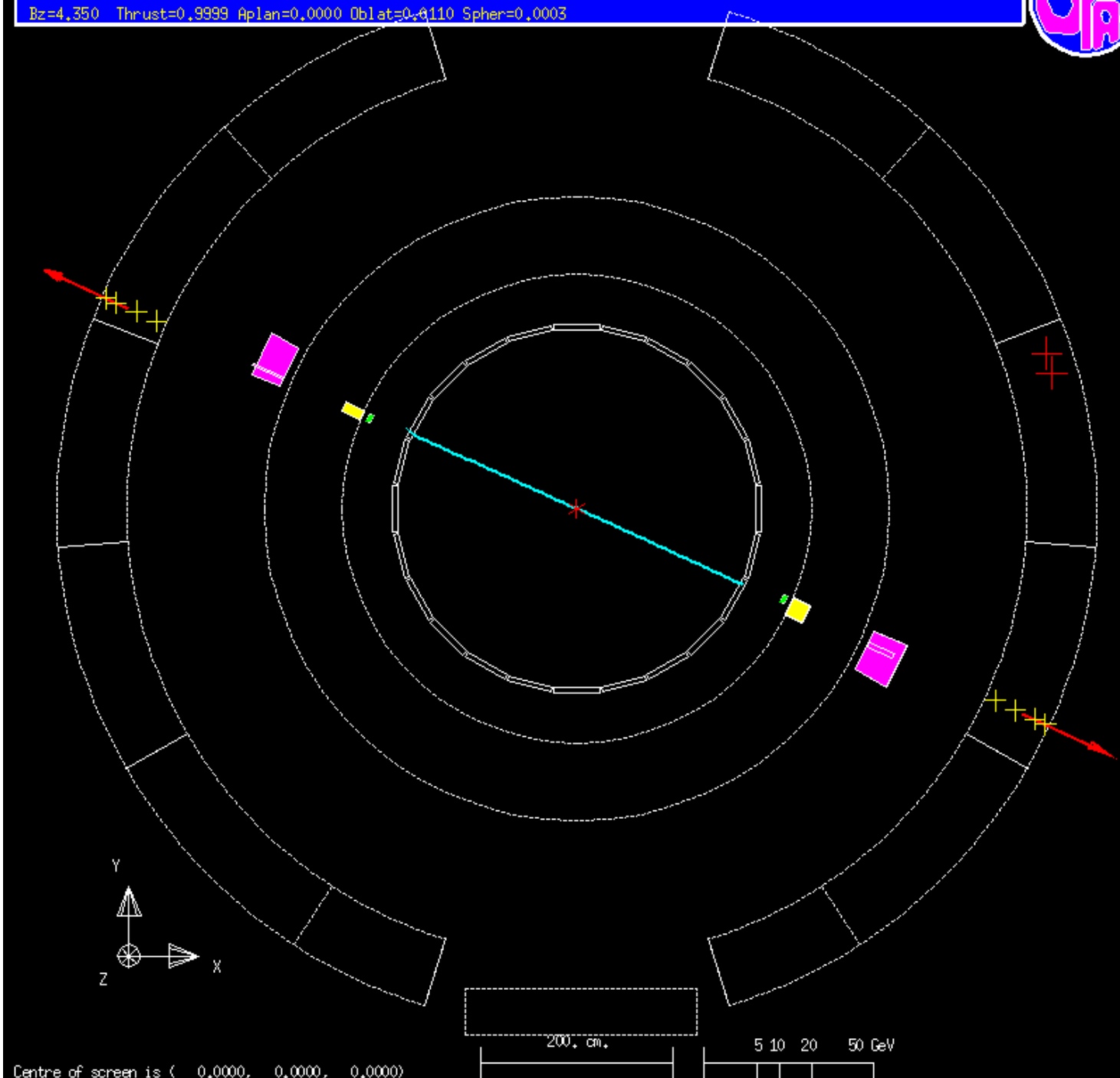


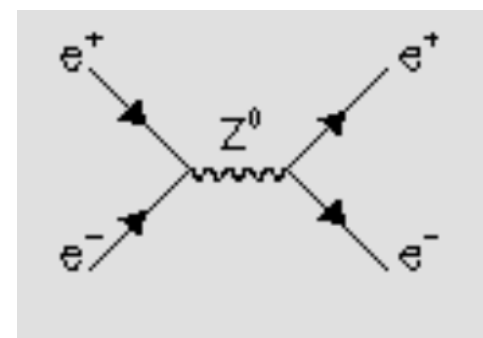
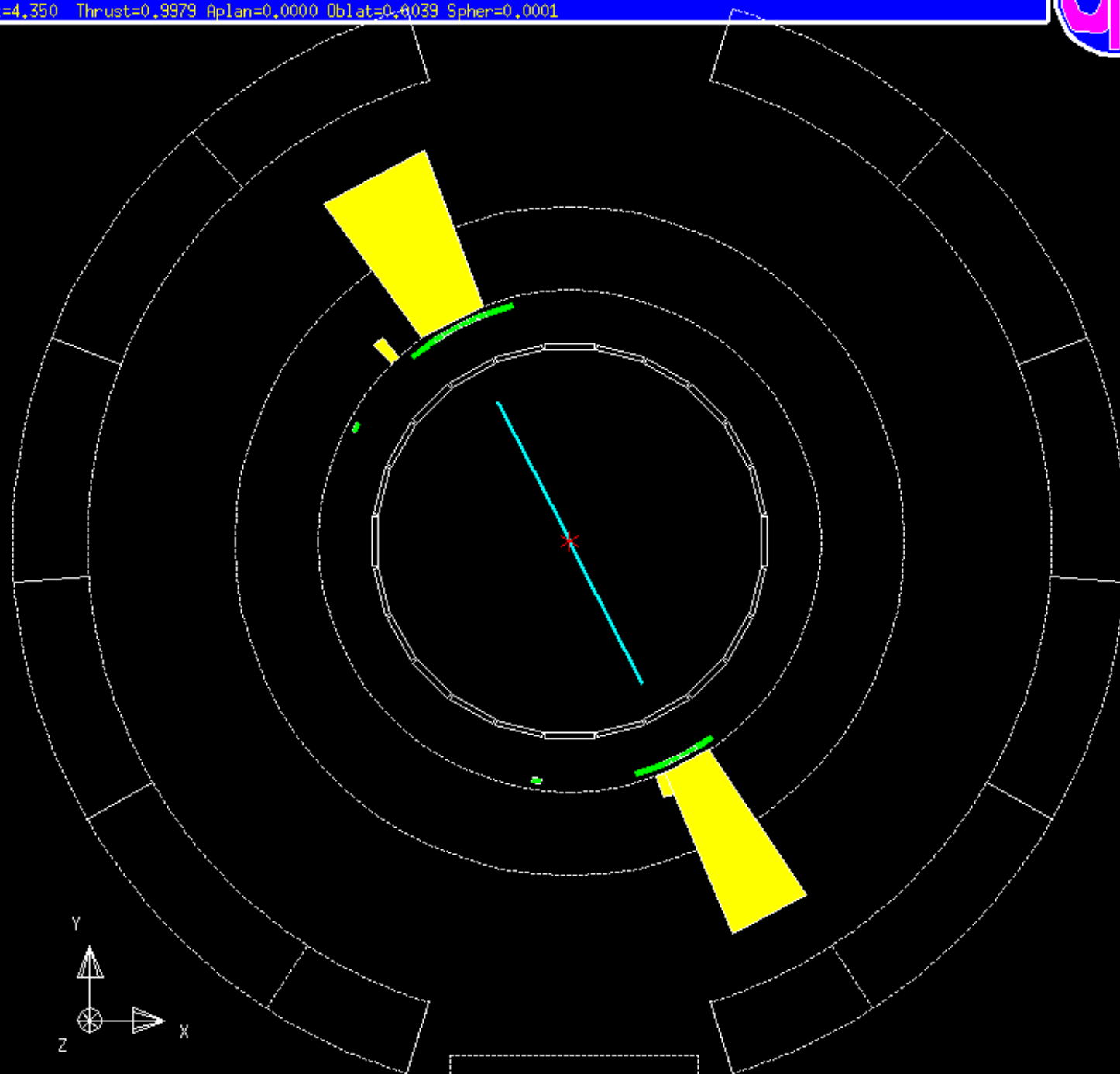
Run: event 4093: 4556 Date 930527 Time 22439 Ctrk(N= 2 Sump= 86.8) Ecal(N= 5 SumE= 1.6) Hcal(N= 4 SumE= 4.0)
 Ebeam 45.658 Evis 90.8 Emiss 0.6 Vtx (-0.05, 0.08, 0.36) Muon(N= 2) Sec Vtx(N= 0) Fdet(N= 0 SumE= 0.0)
 Bz=4.350 Thrust=0.9999 Aplan=0.0000 Oblat=0.0110 Spher=0.0003



Z $\rightarrow$ mu mu

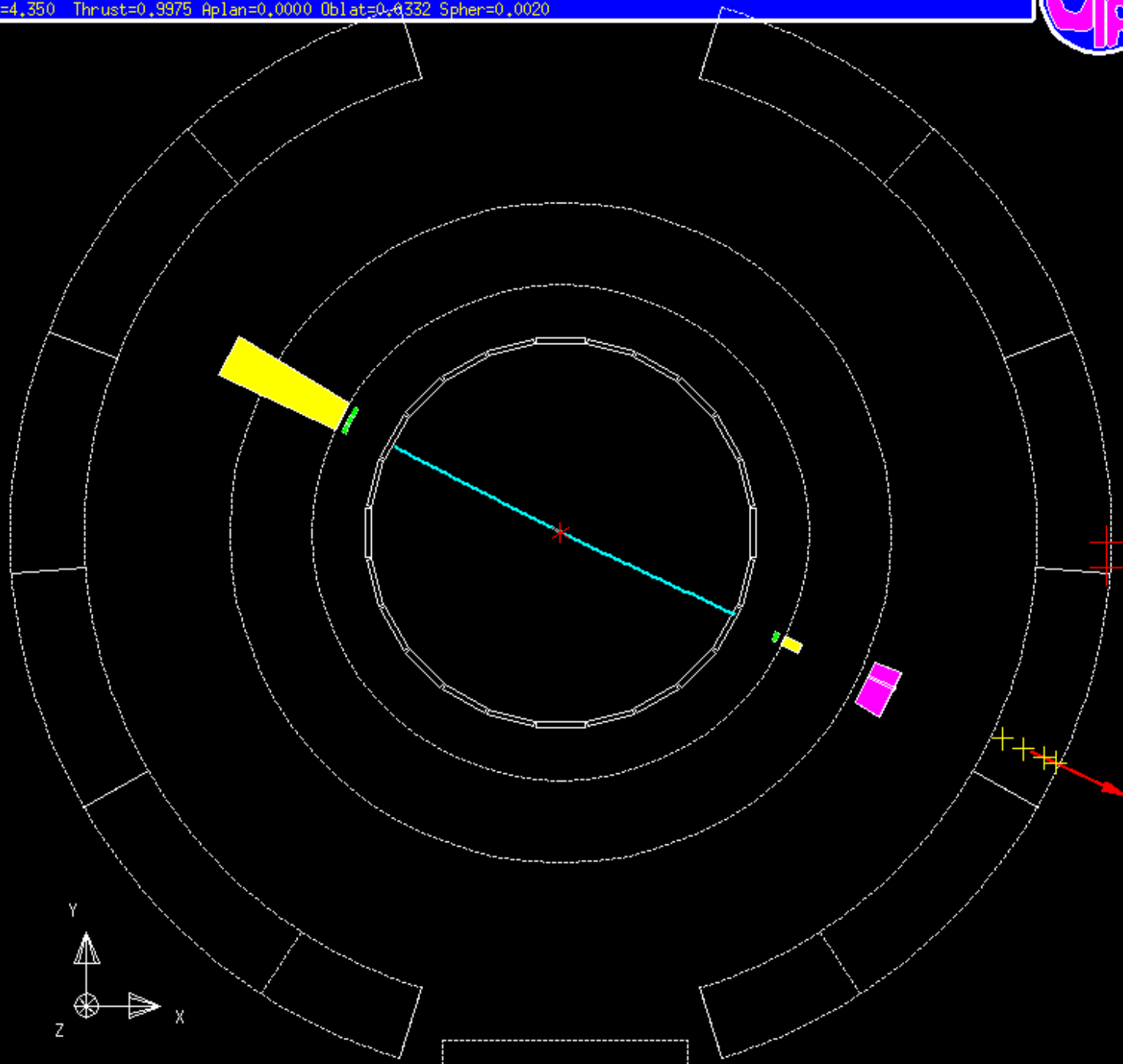


Run: event 4093; 1150 Date 930527 Time 20751 Ctrk(N= 2 Sump= 92,4) Ecal(N= 9 SumE= 90,5) Hcal(N= 0 SumE= 0,0)
 Ebeam 45,658 Evis 94,4 Emiss -3,1 Vtx (-0,05, 0,08, 0,36) Muon(N= 0) Sec Vtx(N= 0) Fdet(N= 1 SumE= 0,0)
 Bz=4,350 Thrust=0,9979 Aplan=0,0000 Oblat=0,6039 Spher=0,0001

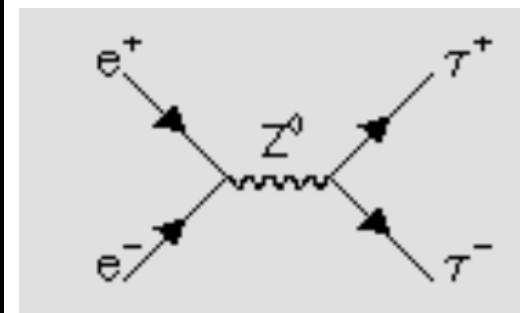


Centre of screen is (0,0000, 0,0000, 0,0000)

Run: event 4177: 49573 Date 930611 Time 203852 Ctrk(N= 2 Sump= 50.6) Ecal(N= 4 SumE= 26.8) Hcal(N= 2 SumE= 1.3)
 Ebeam 45.661 Evis 52.1 Emiss 39.3 Vtx (-0.03, 0.08, 0.45) Muon(N= 1) Sec Vtx(N= 0) Fdet(N= 0 SumE= 0.0)
 Bz=4.350 Thrust=0.9975 Aplan=0.0000 Oblat=0.6332 Spher=0.0020

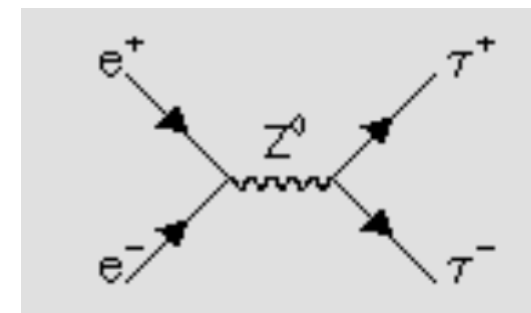
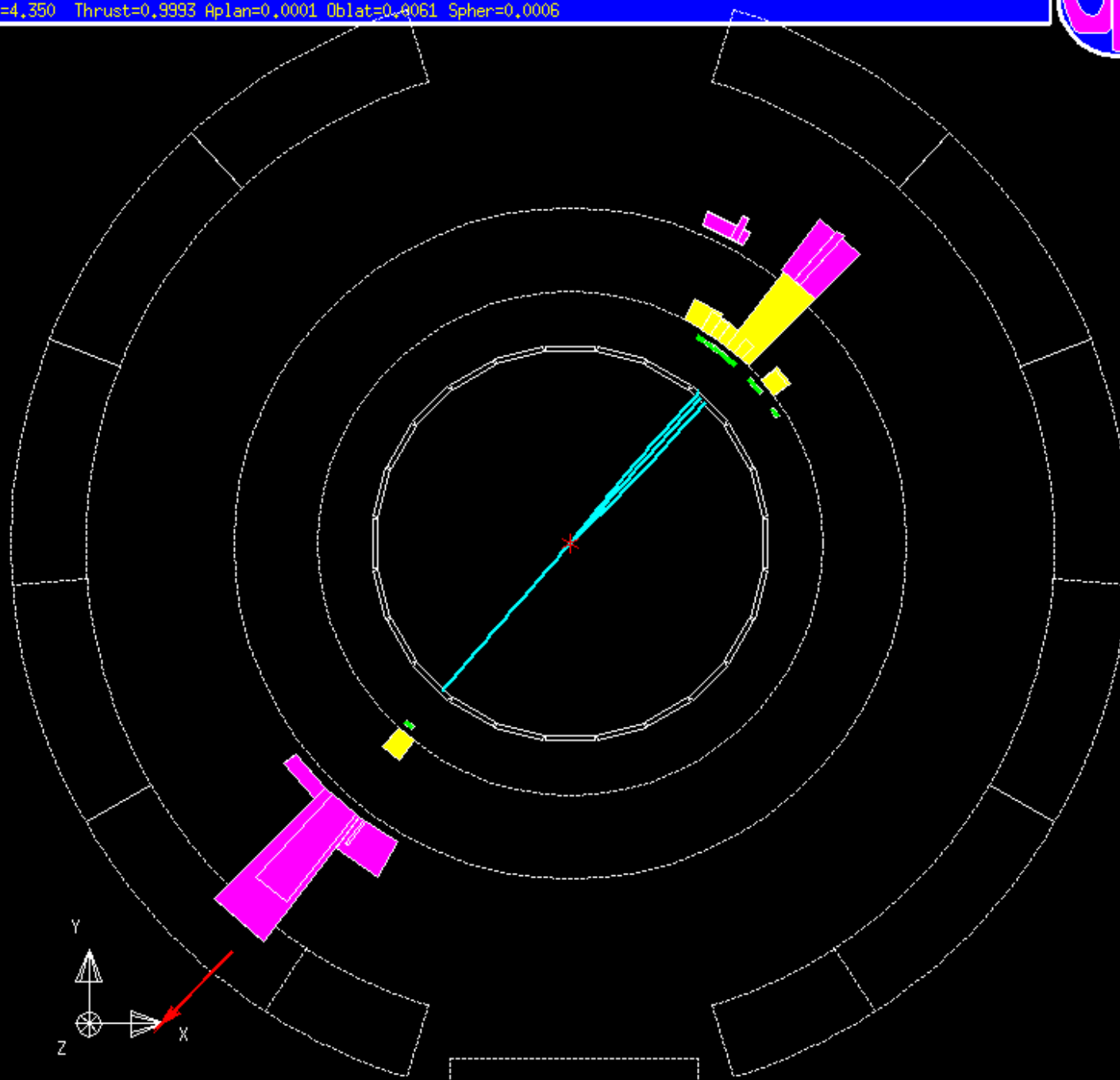


Centre of screen is (0.0000, 0.0000, 0.0000)



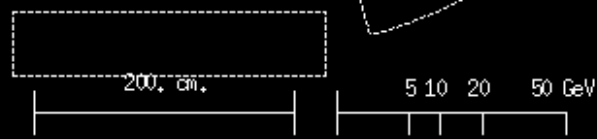
tau-> e nus
 tau-> mu nus

Run: event 4302: 75672 Date 930717 Time 225034 Ctrk(N= 4 Sump= 72.1) Ecal(N= 14 SumE= 23.7) Hcal(N= 9 SumE= 45.4)
 Ebeam 45.610 Evis 121.9 Emiss -30.7 Vtx (-0.04, 0.04, 0.29) Muon(N= 1) Sec Vtx(N= 0) Fdet(N= 0 SumE= 0.0)
 Bz=4.350 Thrust=0.9993 Aplan=0.0001 Oblat=0.8061 Spher=0.0006

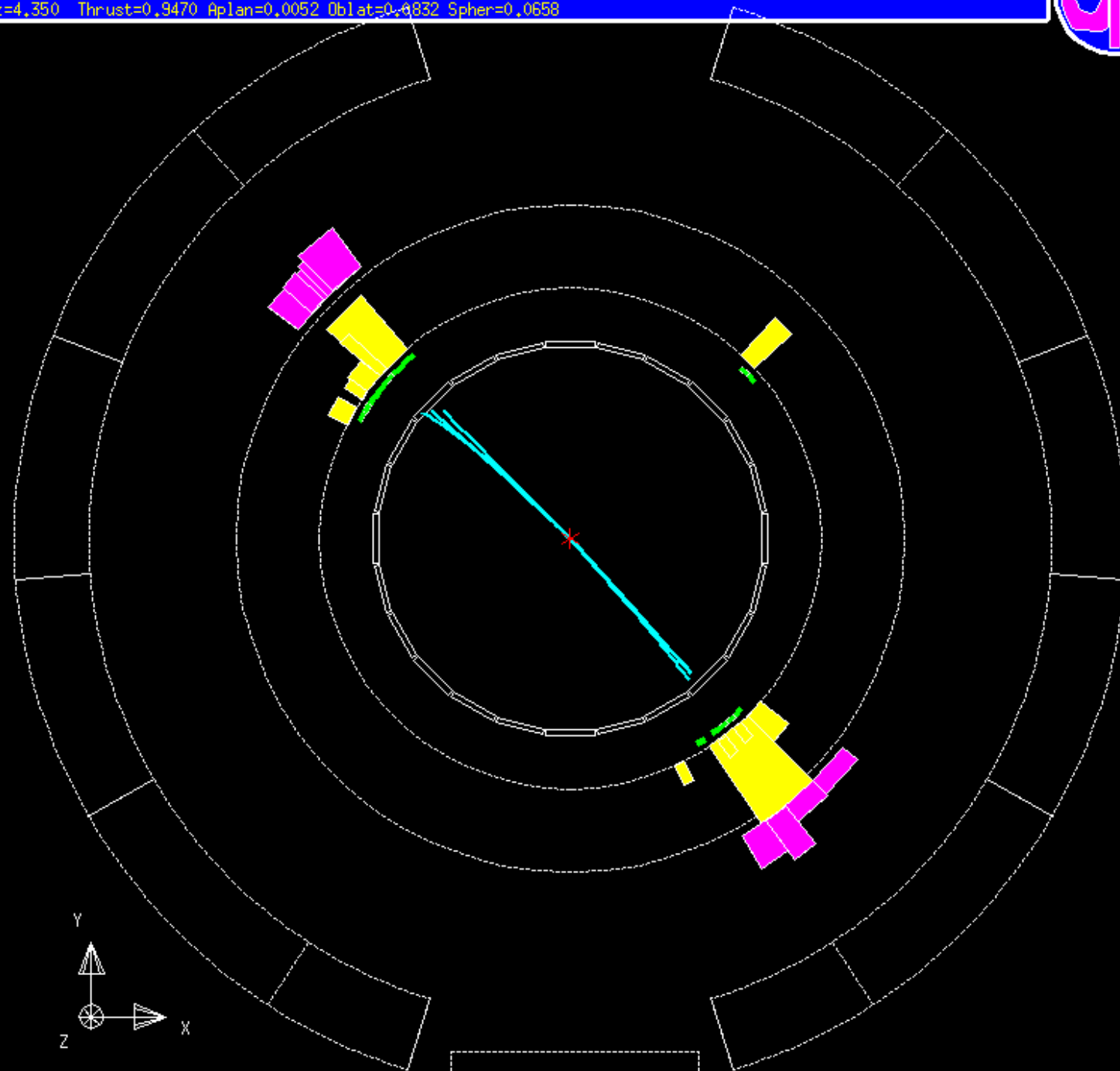


tau- $\rightarrow$ pi
 tau- $\rightarrow$ 3pi

Centre of screen is (0.0000, 0.0000, 0.0000)



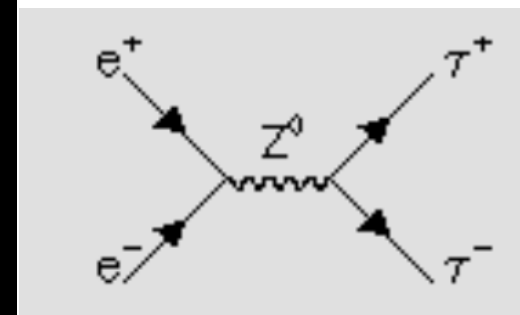
Run: event 4093: 932 Date 930527 Time 20701 Ctrk(N= 9 Sum= 39.2) Ecal(N= 18 SumE= 40.6) Hcal(N= 8 SumE= 8.3)
 Ebeam 45.658 Evis 56.6 Emiss 34.7 Vtx (-0.11, 0.15, 0.50) Muon(N= 0) Sec Vtx(N= 0) Fdet(N= 1 SumE= 0.0)
 Bz=4.350 Thrust=0.9470 Aplan=0.0052 Oblat=0.6832 Spher=0.0658



Centre of screen is (0.0000, 0.0000, 0.0000)

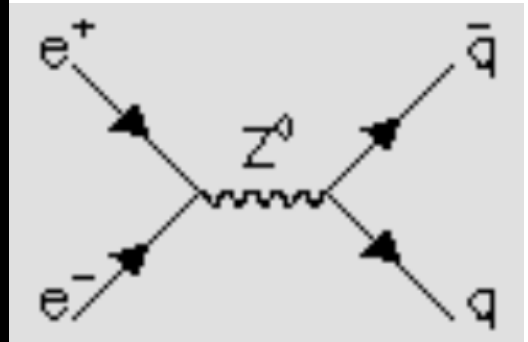
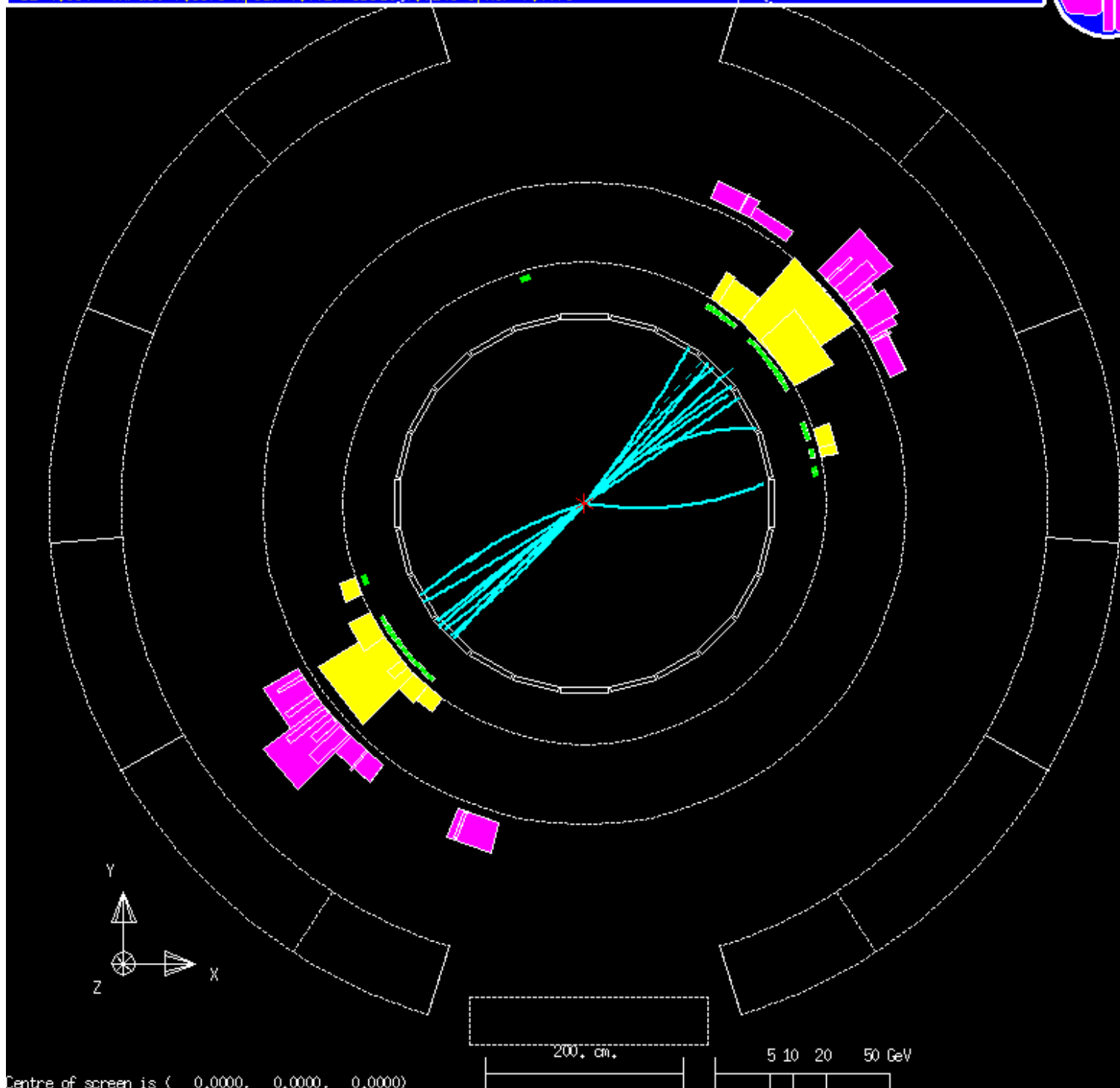


5 10 20 50 GeV



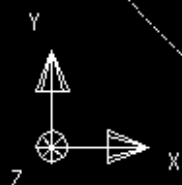
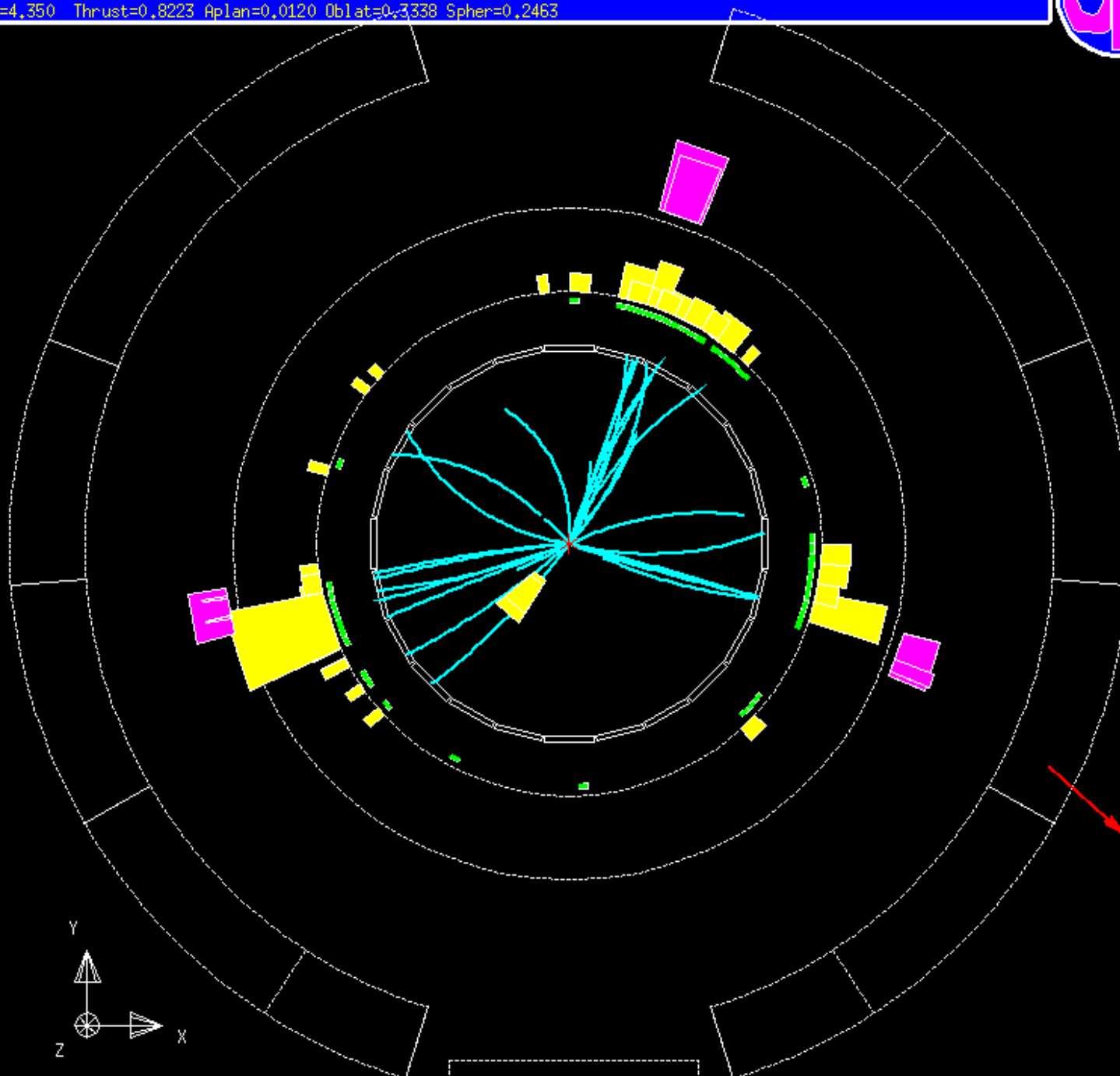
tau- $\rightarrow$ 3 pi
 tau- $\rightarrow$ 3 pi

Run: event 4093; 1000 Date 930527 Time 20716 Ctrk(N= 39 SumP= 73.3) Ecal(N= 25 SumE= 32.6) Hcal(N=22 SumE= 22.6)
 Ebeam 45.658 Evis 99.9 Emiss -8.6 Vtx (-0.07, 0.06, -0.80) Muon(N= 0) Sec Vtx(N= 3) Fdet(N= 0 SumE= 0.0)
 Bz=4.350 Thrust=0.9873 Aplan=0.0017 Oblat=0.6248 Spher=0.0073



Centre of screen is (0.0000, 0.0000, 0.0000)

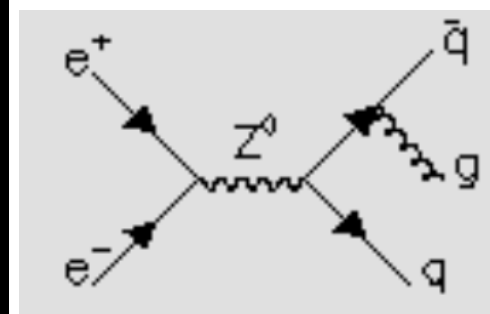
Run: event 2542: 63750 Date 911014 Time 35925 Ctrk(N= 28 Sump= 42.1) Ecal(N= 42 SumE= 59.8) Hcal(N= 8 SumE= 12.7)
 Ebeam 45.609 Evis 86.2 Emiss 5.0 Vtx (-0.05, 0.12, -0.90) Muon(N= 1) Sec Vtx(N= 0) Fdet(N= 2 SumE= 0.0)
 Bz=4.350 Thrust=0.8223 Aplan=0.0120 Oblat=0.3338 Spher=0.2463



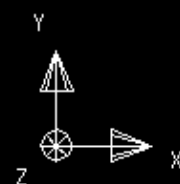
200 cm.

5 10 20 50 GeV

Centre of screen is (0.0000, 0.0000, 0.0000)



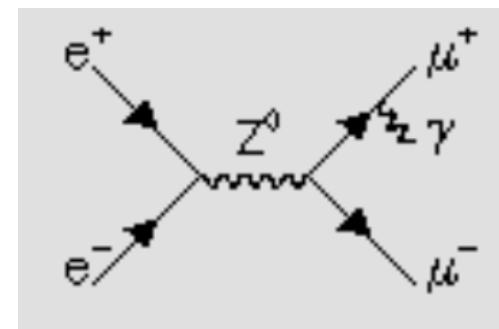
Run: event 4093: 1042 Date 930527 Time 20724 Ctrk(N= 2 Sump= 91.4) Ecal(N= 8 SumE= 5.0) Hcal(N= 4 SumE= 6.9)
 Ebeam 45.658 Evis 101.0 Emiss -9.6 Vtx (-0.05, 0.08, 0.36) Muon(N= 2) Sec Vtx(N= 0) Fdet(N= 1 SumE= 0.0)
 Bz=4.350 Thrust=0.9945 Aplan=0.0000 Oblat=0.0304 Spher=0.0013



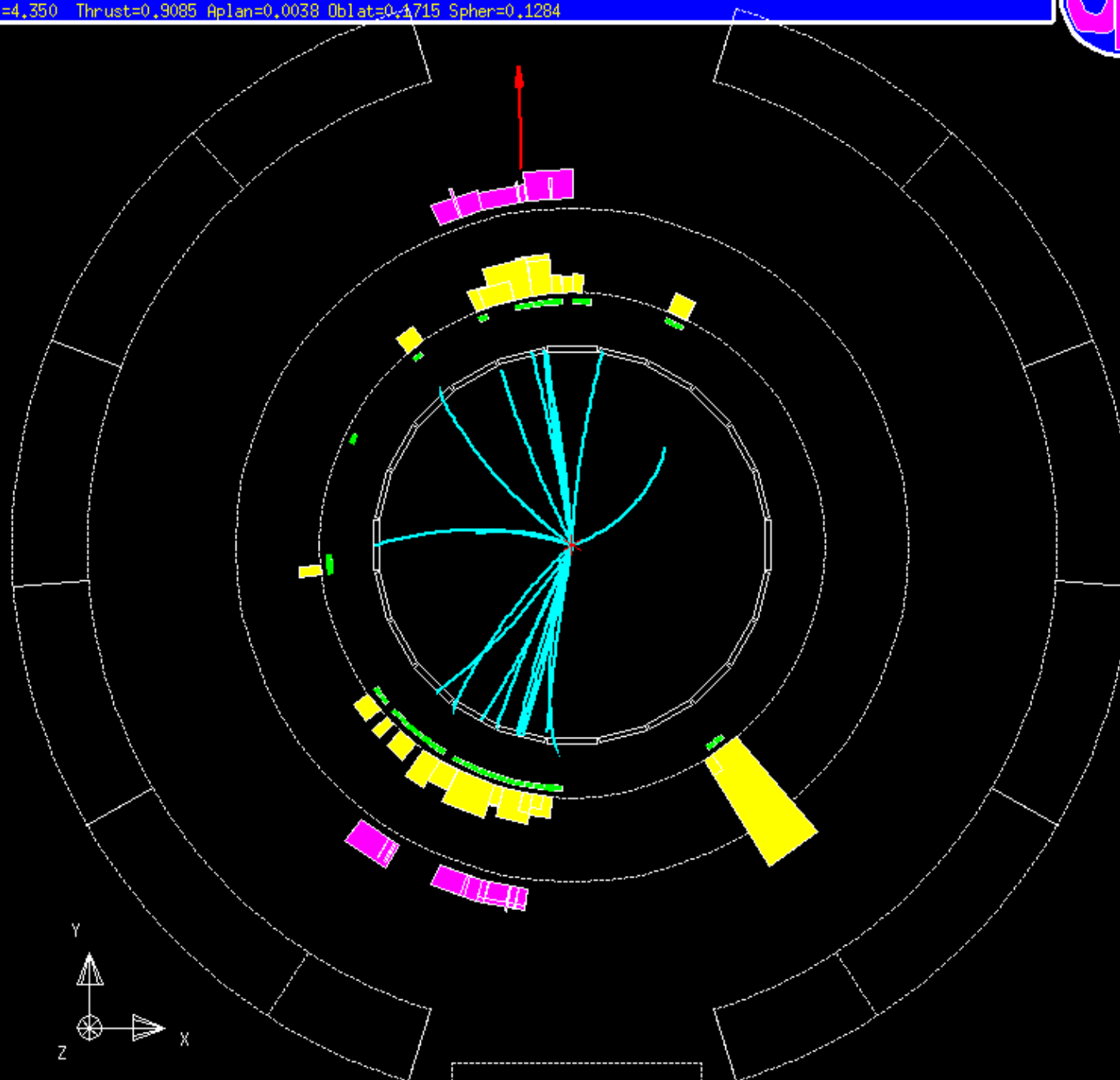
Centre of screen is (0.0000, 0.0000, 0.0000)

200. cm.

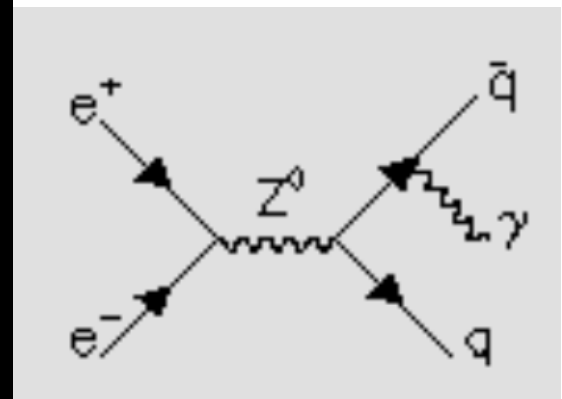
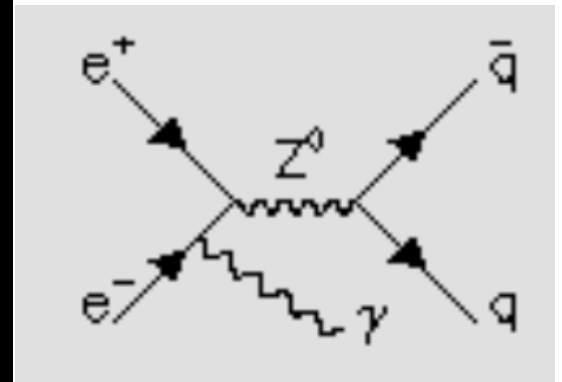
510 20 50 GeV



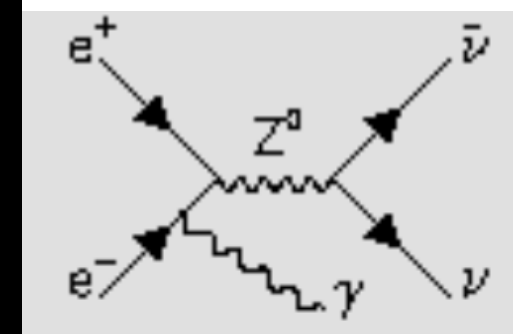
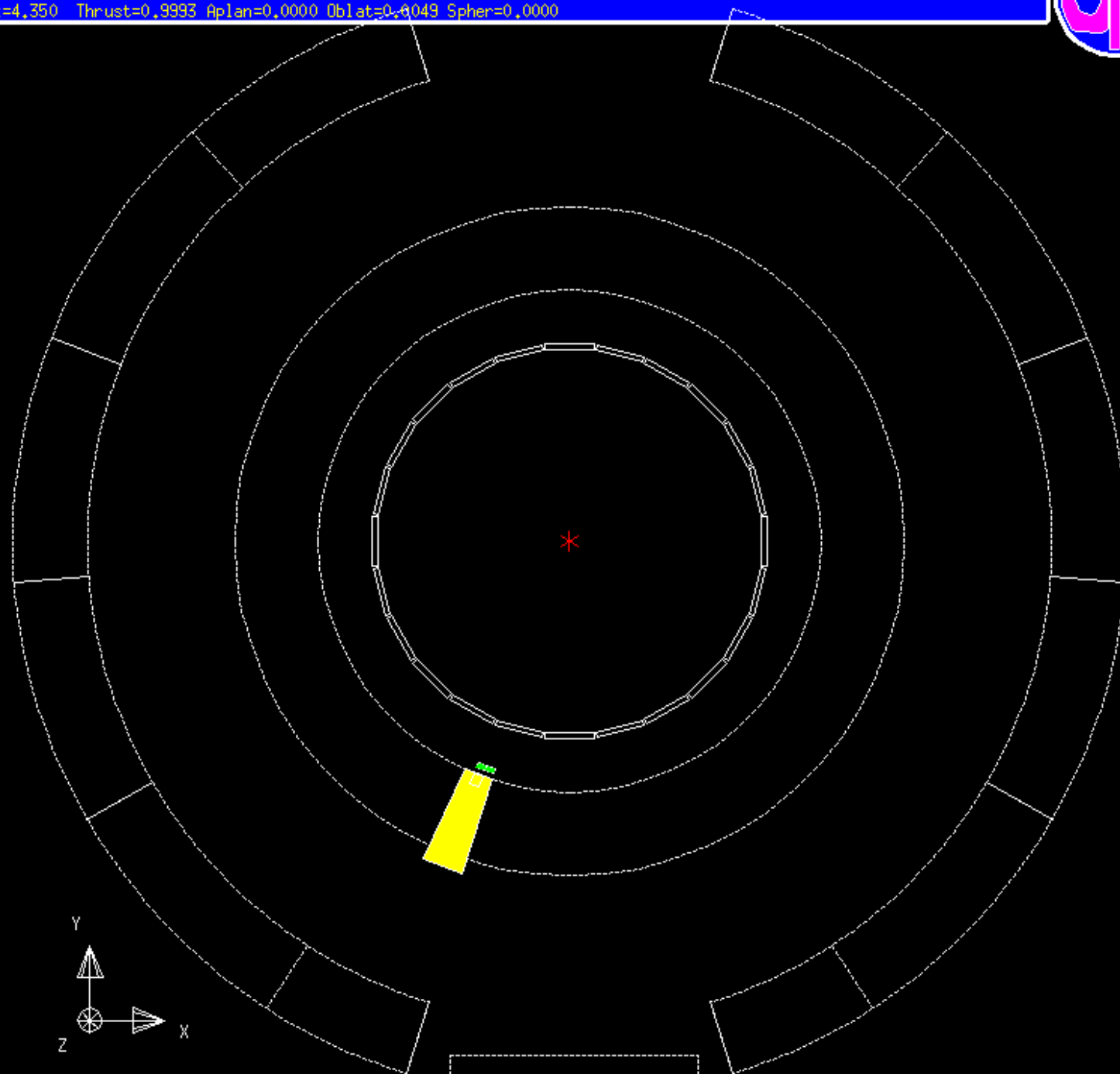
Run: event 1541: 19153 Date 900411 Time 64602 Ctrk(N= 31 Sump= 63.0) Ecal(N= 49 SumE= 48.5) Hcal(N=18 SumE= 5.6)
 Ebeam 45.622 Evis 101.2 Emiss -9.9 Vtx (-0.01, 0.09, -2.13) Muon(N= 1) Sec Vtx(N= 0) Fdet(N= 0 SumE= 0.0)
 Bz=4.350 Thrust=0.9085 Aplan=0.0038 Oblat=0.1715 Spher=0.1284



Centre of screen is (0.0000, 0.0000, 0.0000)

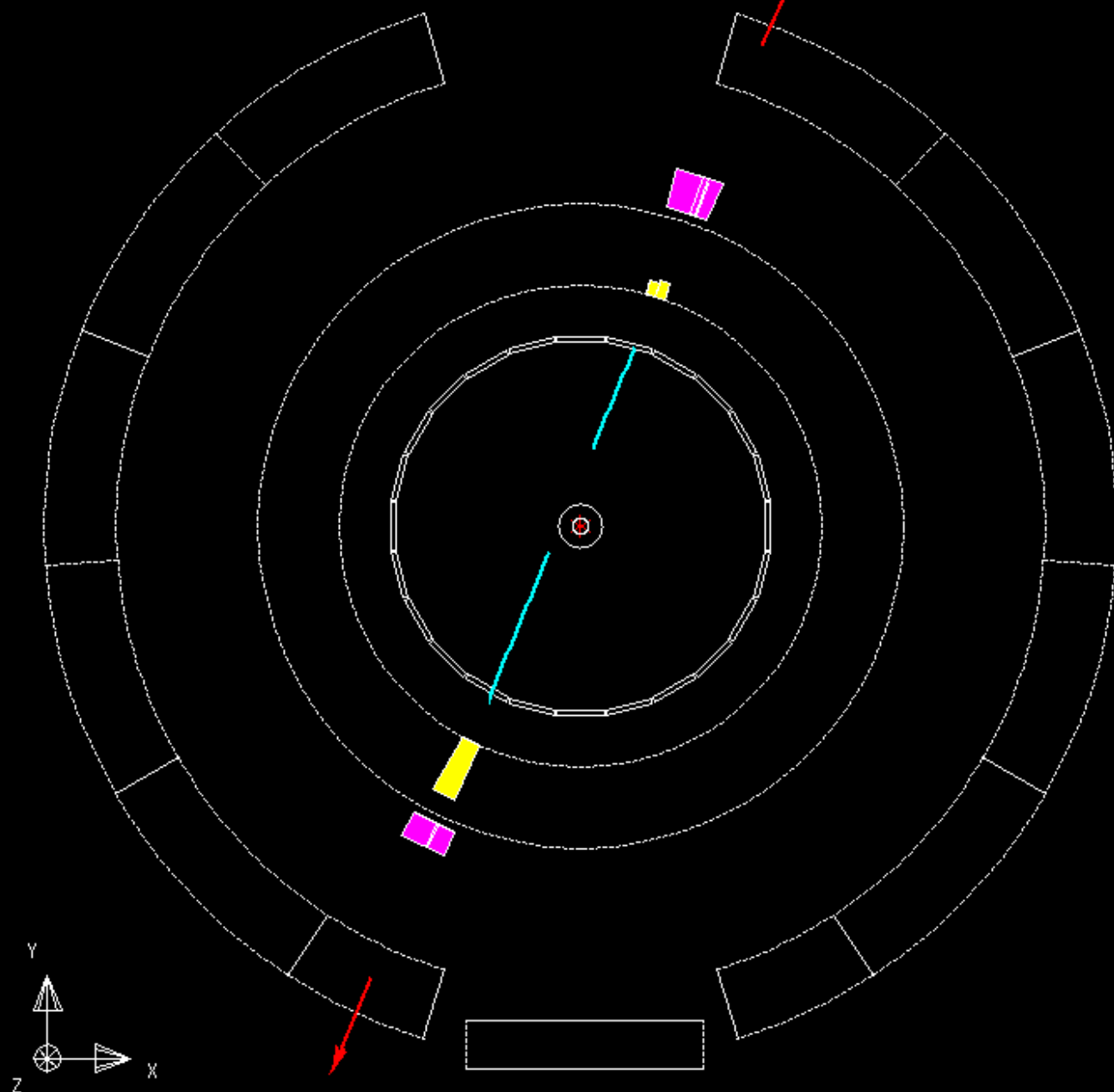


Run: event 2468; 66487 Date 910819 Time 91037 Ctrk(N= 0 Sump= 0,0) Ecal(N= 4 SumE= 15,3) Hcal(N= 0 SumE= 0,0)
 Ebeam 45,613 Evis 15,3 Emiss 75,9 Vtx (-0,12, 0,12, 0,19) Muon(N= 0) Sec Vtx(N= 0) Fdet(N= 0 SumE= 0,0)
 Bz=4,350 Thrust=0,9993 Aplan=0,0000 Oblat=0,6049 Spher=0,0000



Centre of screen is (0,0000, 0,0000, 0,0000)

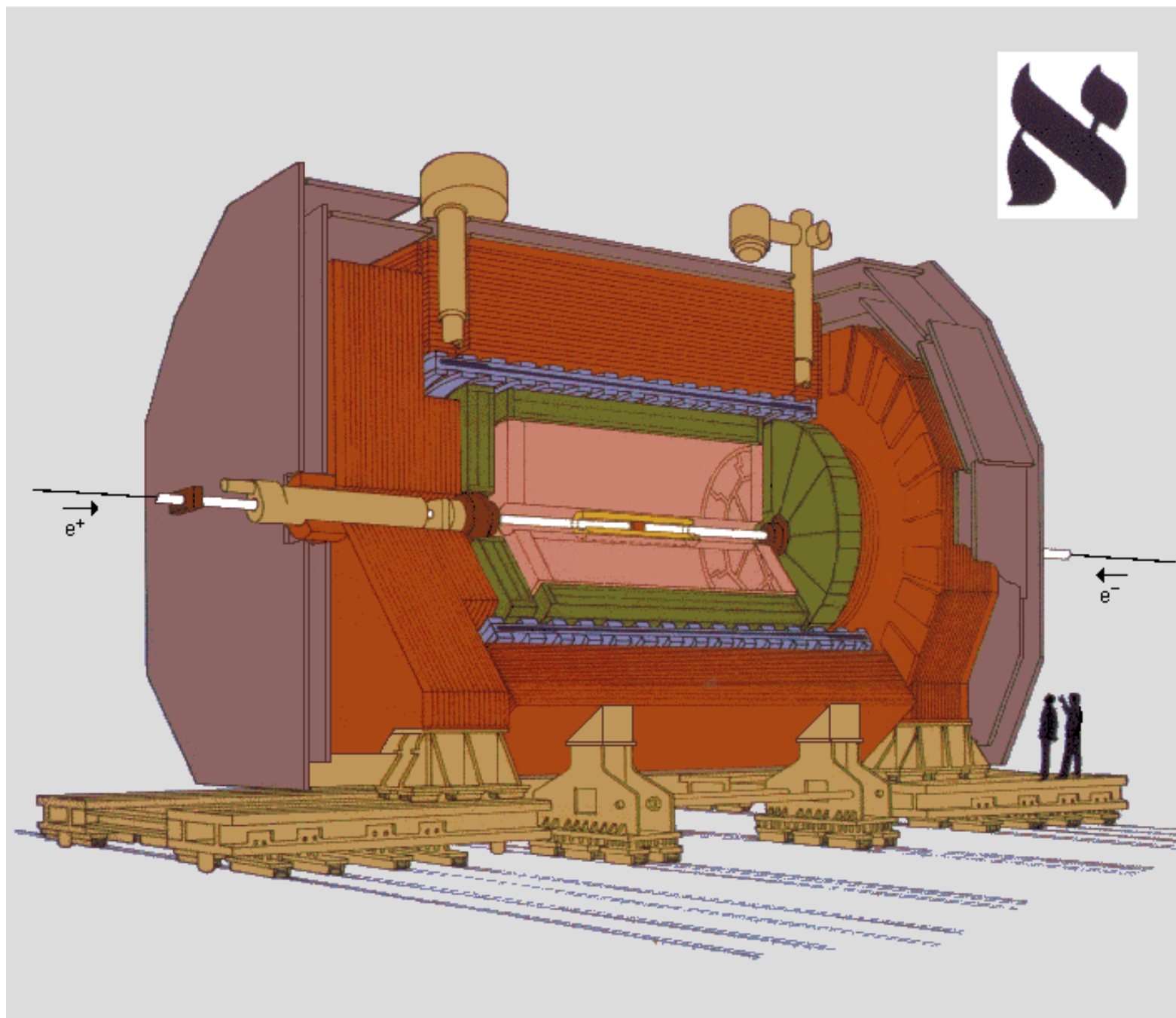
Run: event 4126: 6435 Date 930602 Time 123109 Ctrk(N= 14 Sump= 0.0) Ecal(N= 8 SumE= 7.2) Hcal(N= 5 SumE= 3.7)
 Ebeam 45.535 Evis 3.9 Emiss 87.2 Vtx (-0.04, 0.00, 0.29) Muon(N= 2) Sec Vtx(N= 0) Fdet(N= 0 SumE= 0.0)
 Bz=4.350 Thrust=0.9807 Aplan=0.0035 Oblat=0.0391 Spher=0.0096



cosmic mu

Centre of screen is (0.0000, 0.0000, 0.0000)





-  Vertex Detector
-  Inner Tracking Chamber
-  Time Projection Chamber
-  Electromagnetic Calorimeter
-  Superconducting Magnet Coil
-  Hadron Calorimeter
-  Muon Chambers
-  Luminosity Monitors

The ALEPH Detector

**ALEPH**

DALI_E1

ECM=91.22

Pch=88.0

Ef1=89.6

Ew1=87.6

Eh1=0

AS208700

Run=26504

Evt=258

94-06-11 23:00

Detb=

E1FFFF

Hch=2

EV1=1.00

EV2=.036

EV3=.009

ThT=1.19

ThT=1.19

ThT=1.19

ThT=1.19

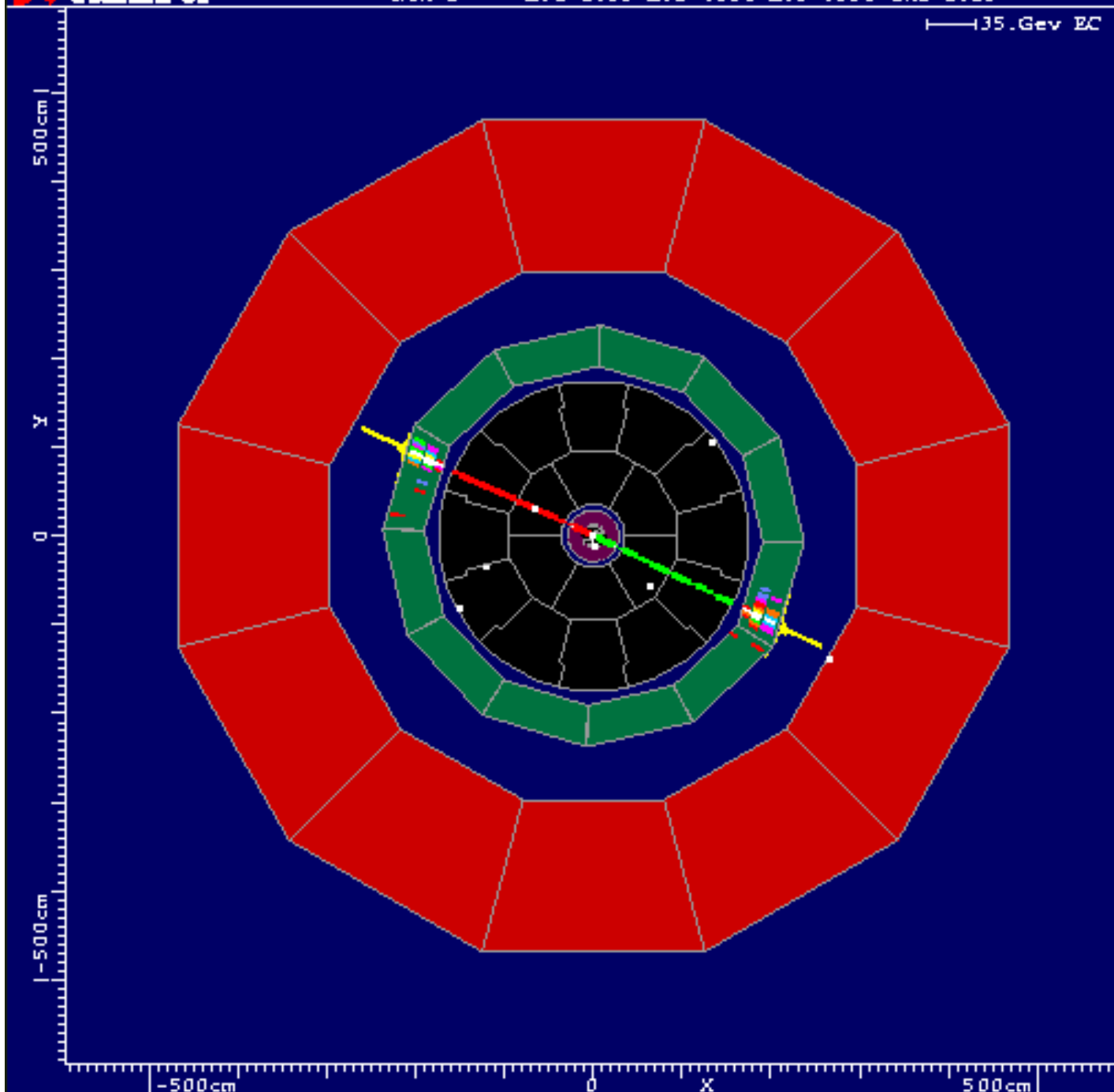
ThT=1.19

ThT=1.19

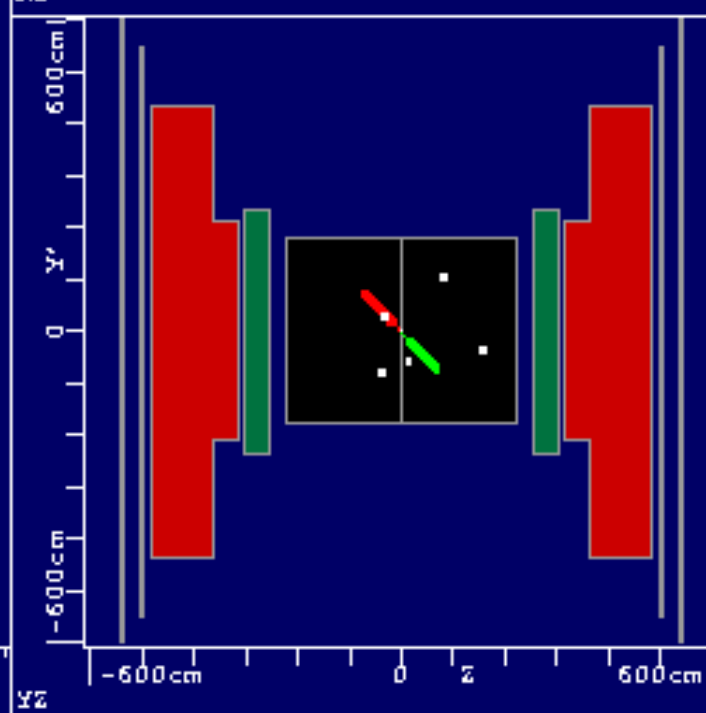
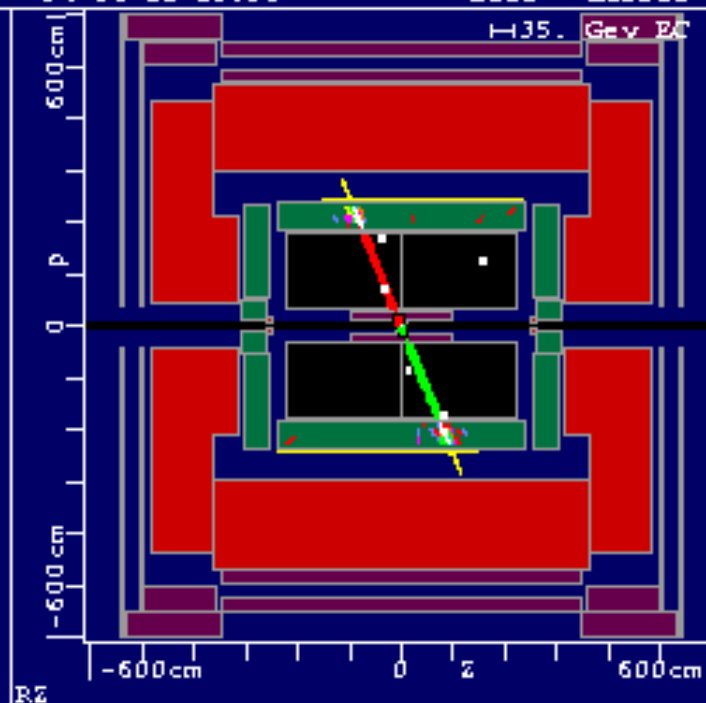
ThT=1.19

ThT=1.19

ThT=1.19



135.Gev EC



**ALEPH**

DALI_E1

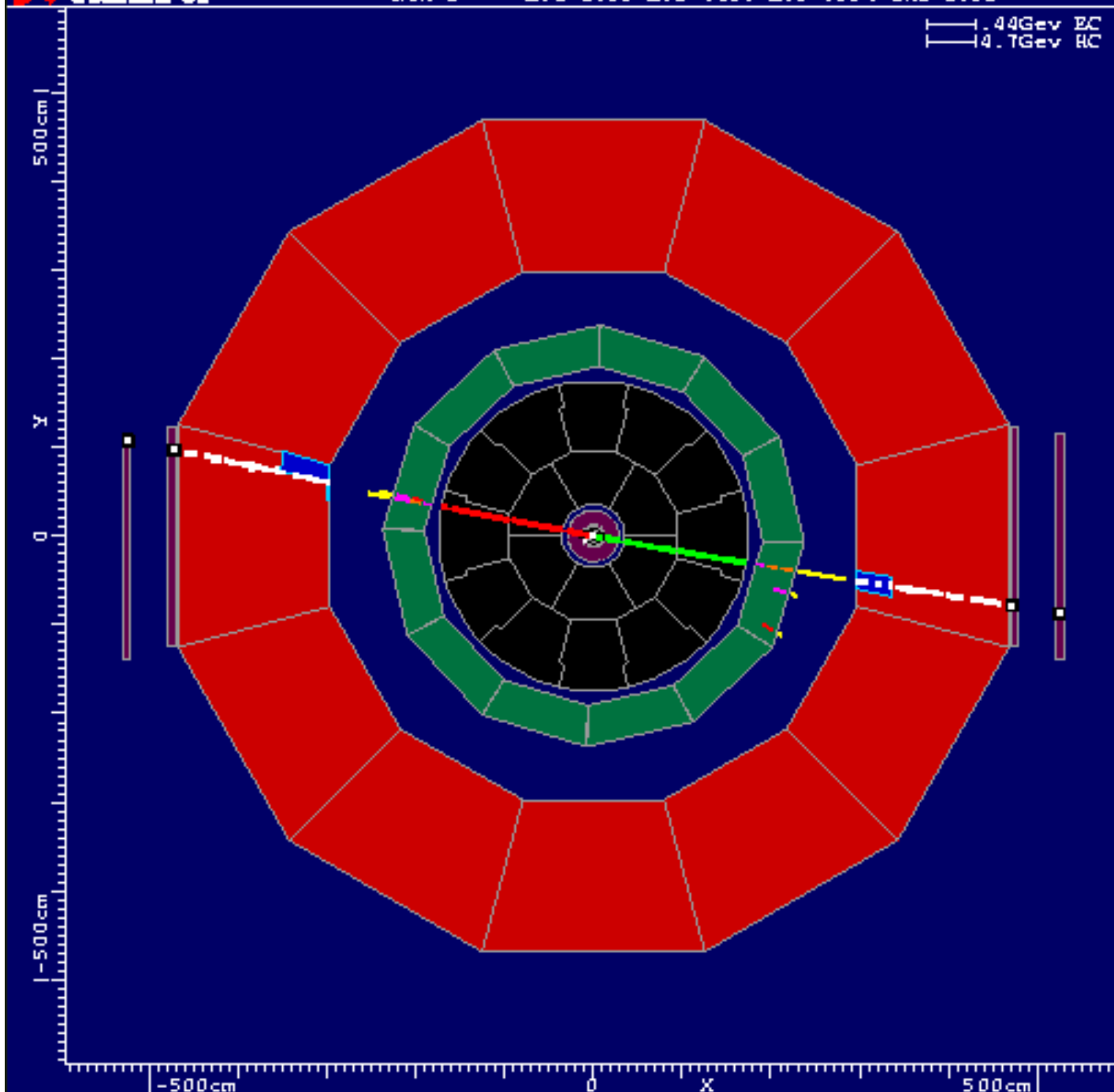
ECM=91.22 Pch=86.8 Ef1=88.6 Ew1=.724 Eh1=8.06 AS208700

Run=26504 Evt=2355

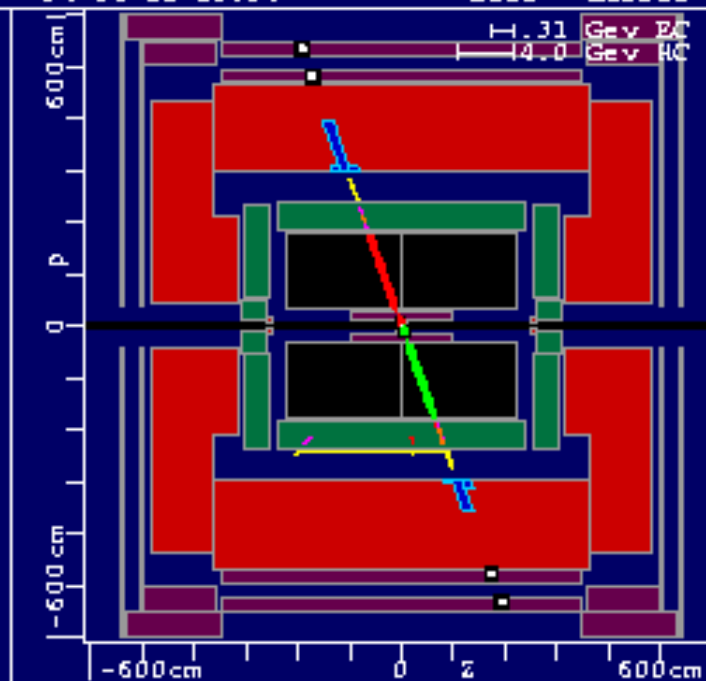
Hch=2 EV1=1.00 EV2=.638 EV3=.004 ThT=1.91

94-06-11 23:08

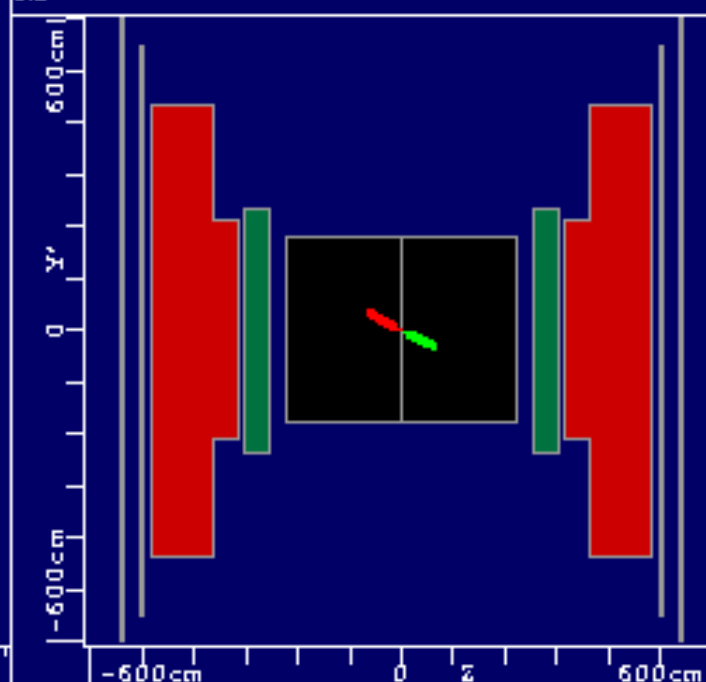
Detb= E1FFFF



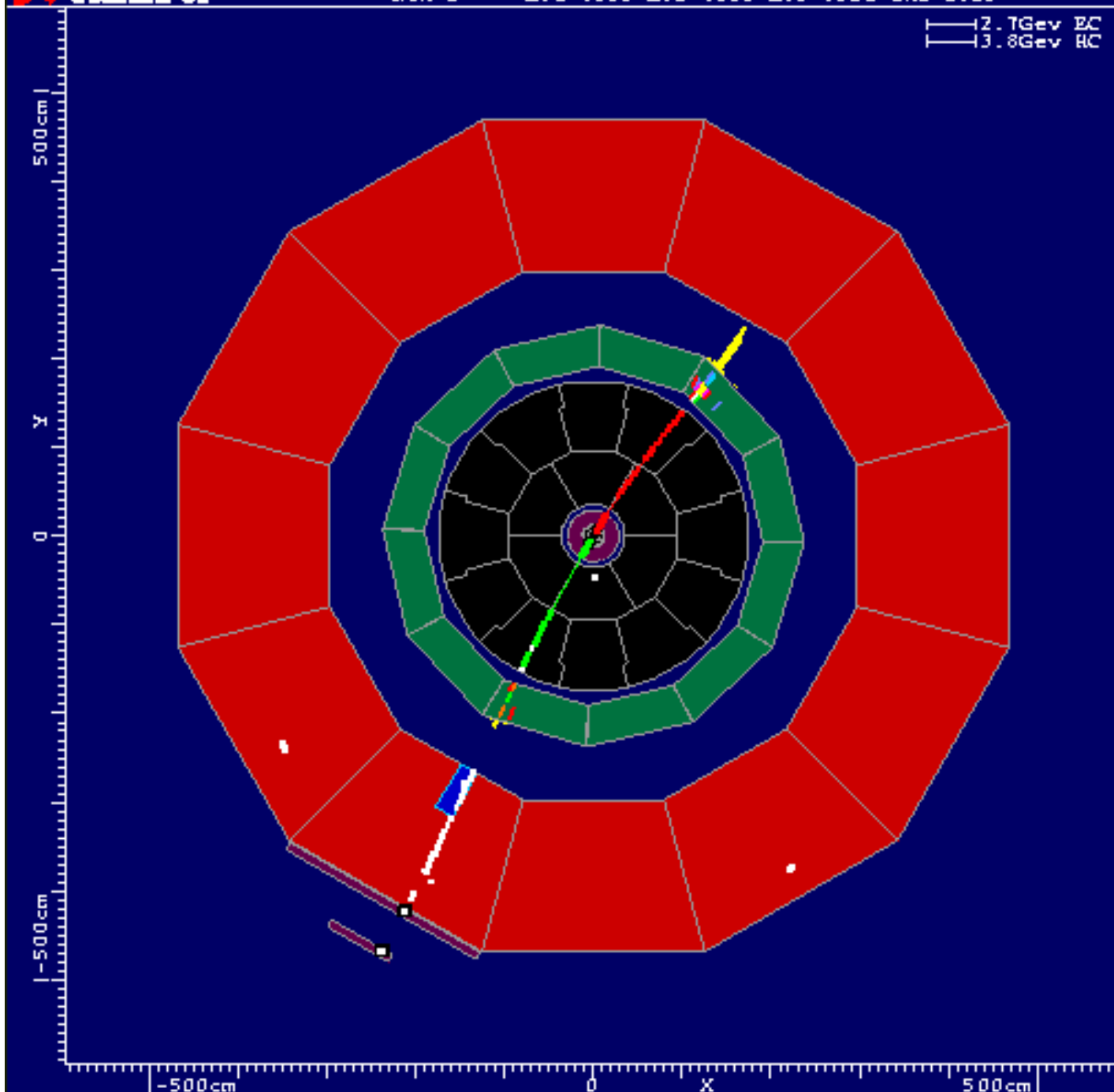
YX hist.of BA.+E.C.



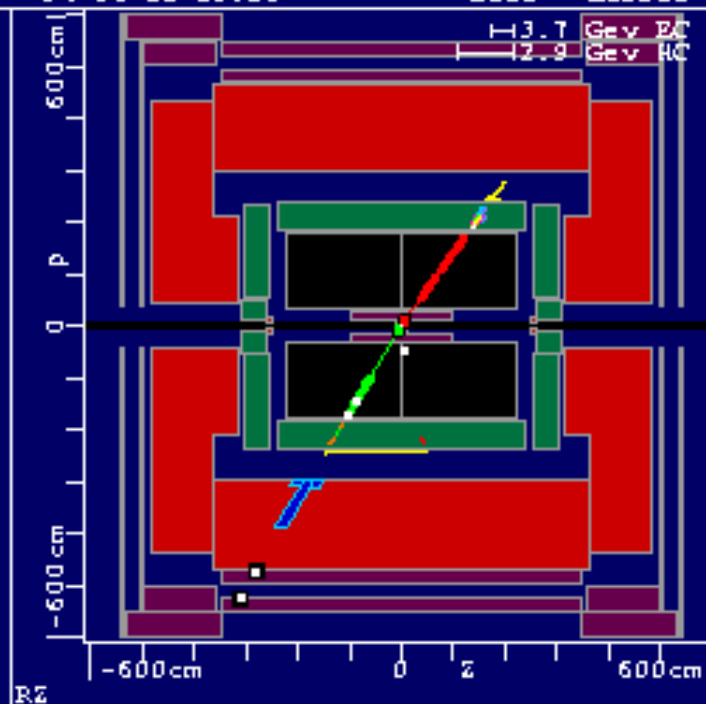
RZ



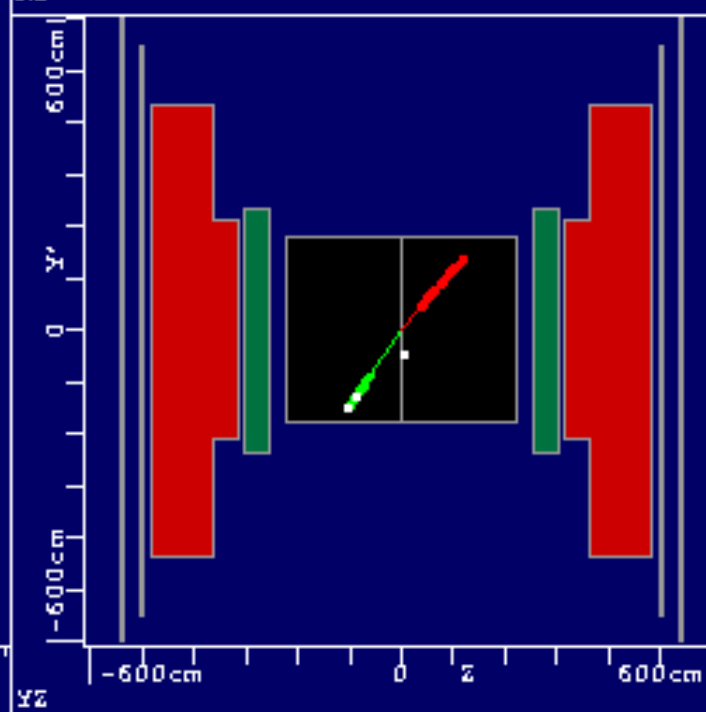
YZ



— 2.7Gev EC
— 3.8Gev RC

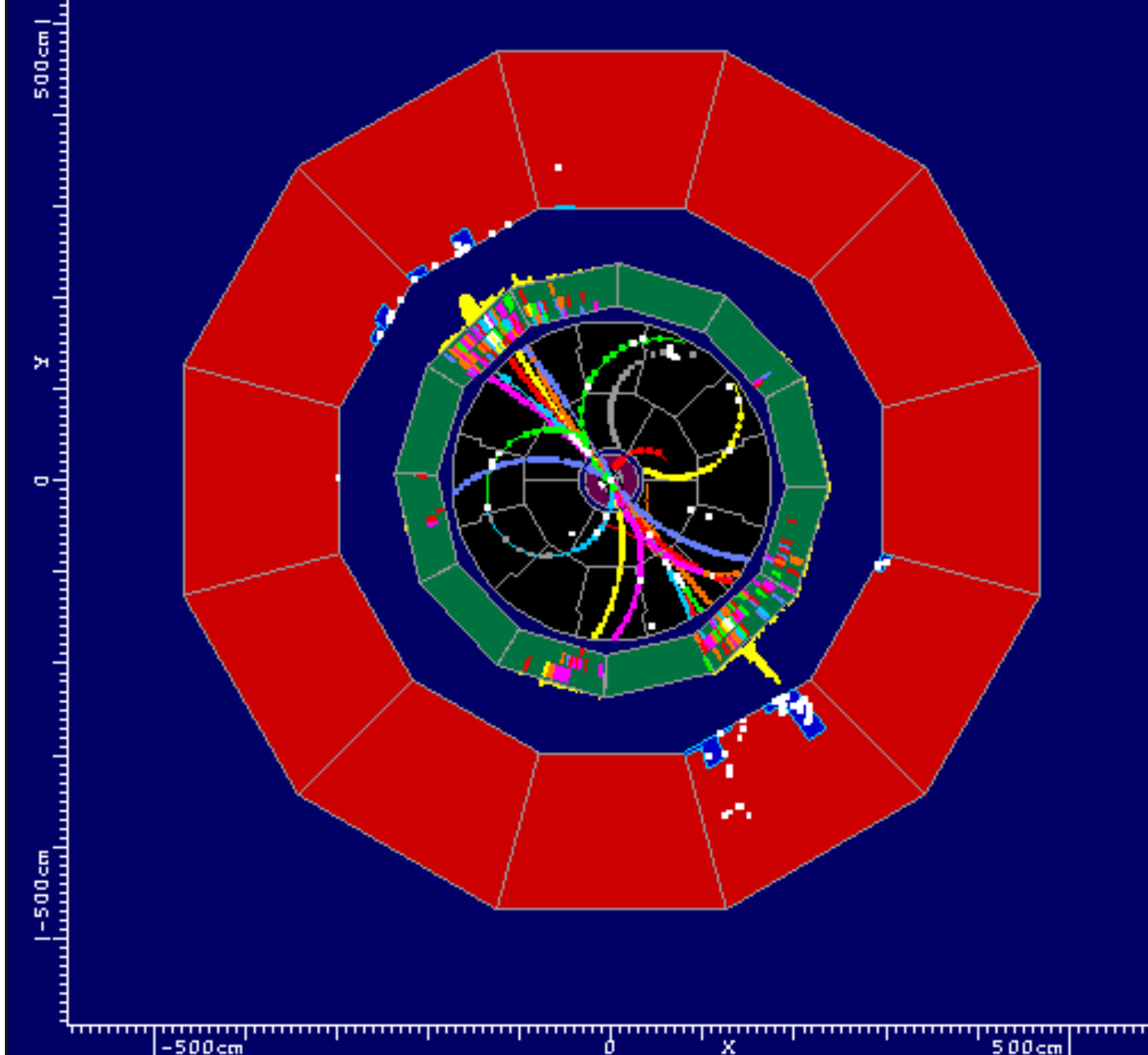


— 3.7Gev EC
— 2.9Gev RC



— 19.0Gev EC
— 14.0Gev HC

— 17.5 Gev EC
— 14.7 Gev HC



YX hist. of BA.+E.C.

