

*A SUMMARY ON POLARISATION IN RUN-12  
100GEV AND FIRST RESULTS FOR 250 GEV*

*E.C. ASCHENAUER  
PRESENTING THE WORK DONE BY ALAN,  
**ANDERS**, BILL AND DIMA*

**BROOKHAVEN**  
NATIONAL LABORATORY

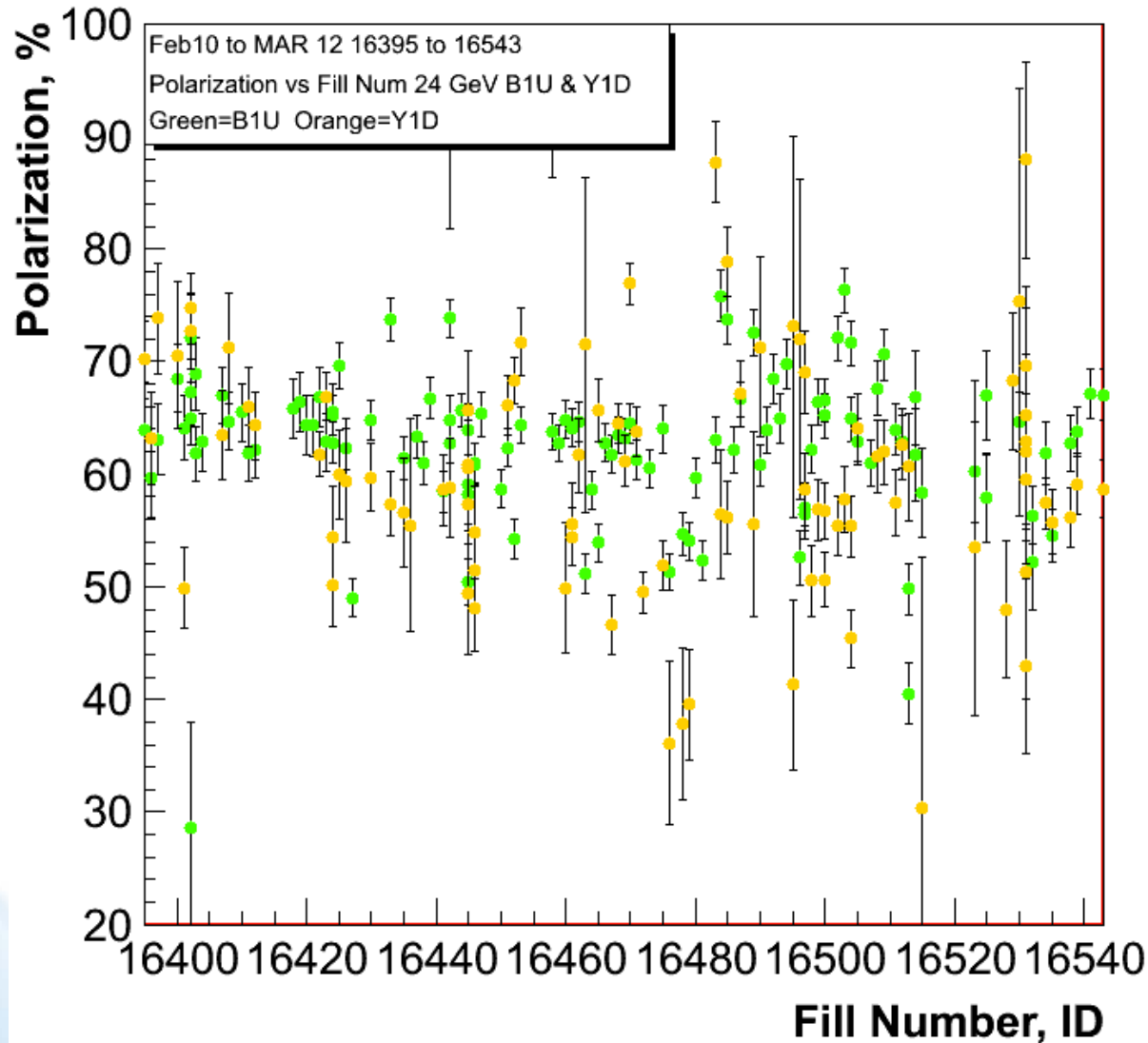
*a passion for discovery*



U.S. DEPARTMENT OF  
**ENERGY**

Office of  
Science

# 100 GEV RESULTS



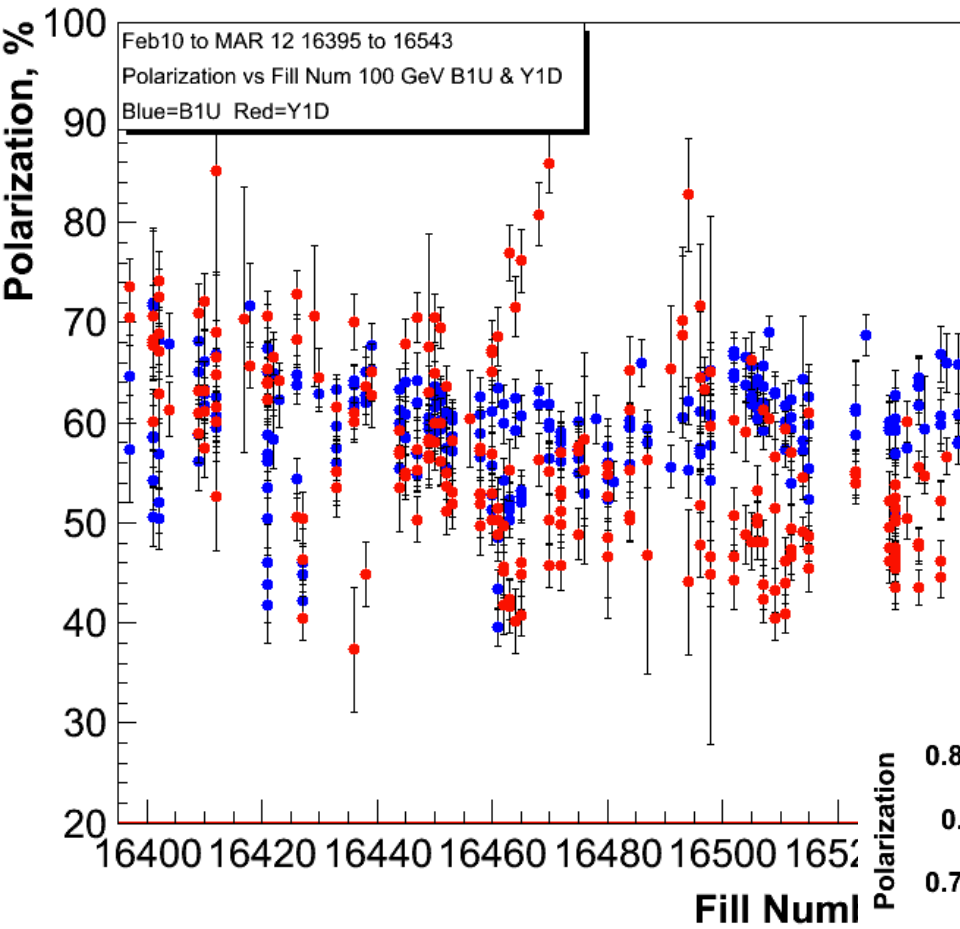
polarisation at injection  
**Blue** and **Yellow**

**Caveat:**

only first round of cleaning  
up noise in polarimeters  
was done

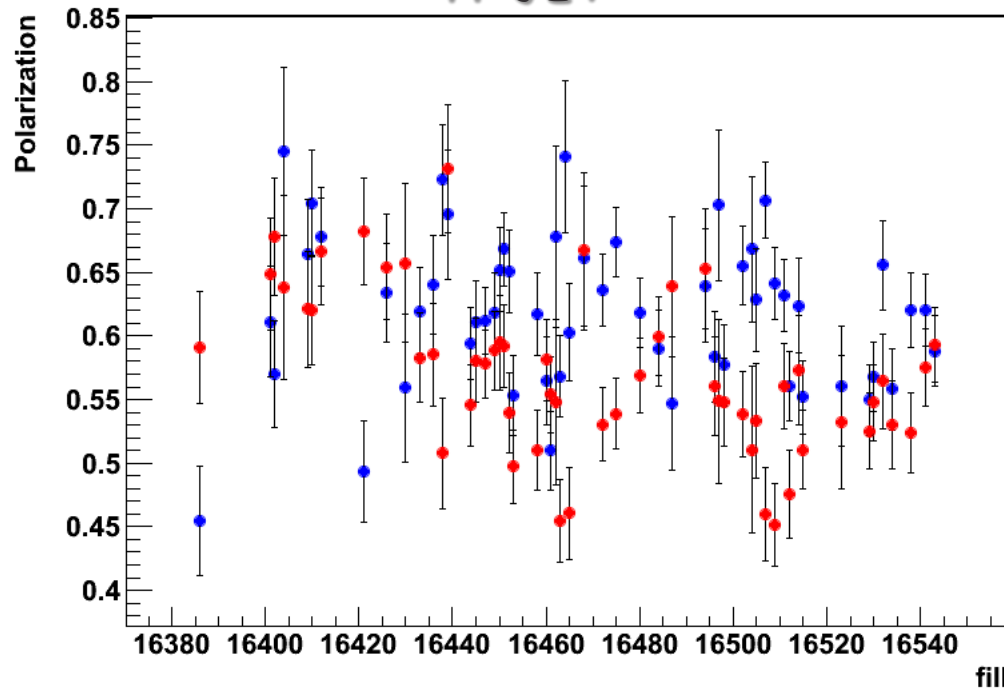
pC numbers not normalized  
to jet

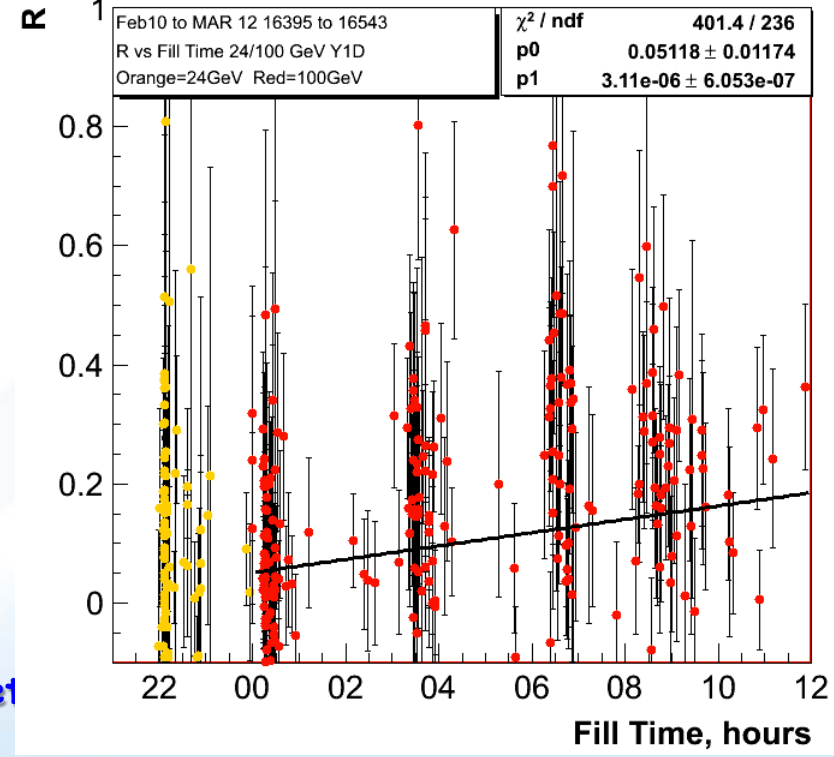
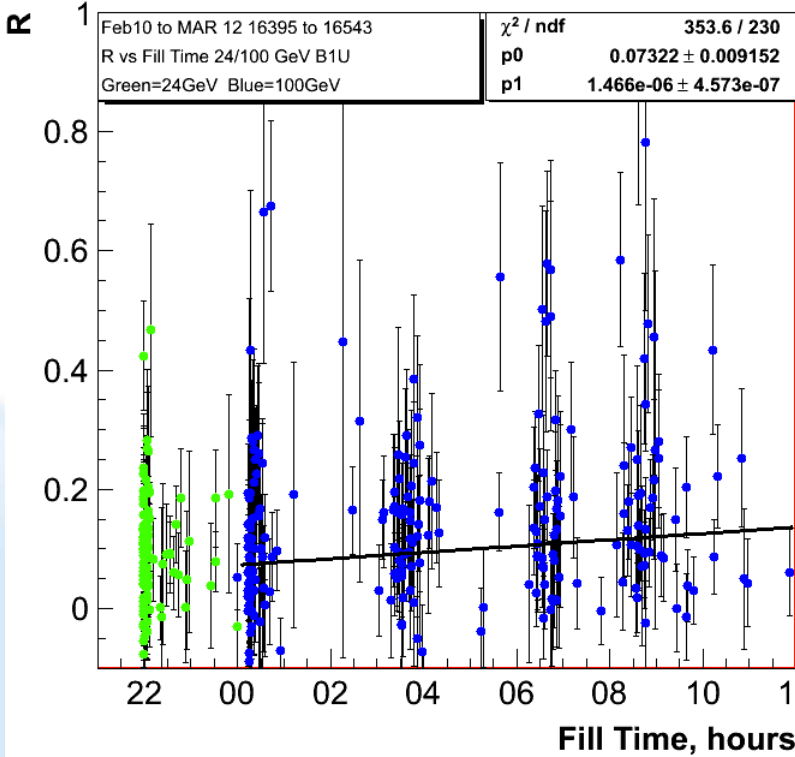
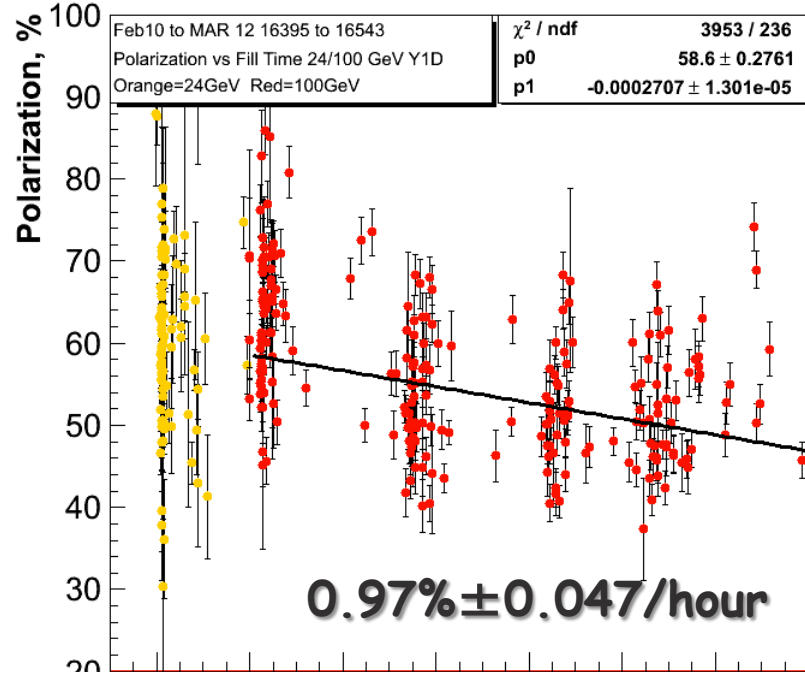
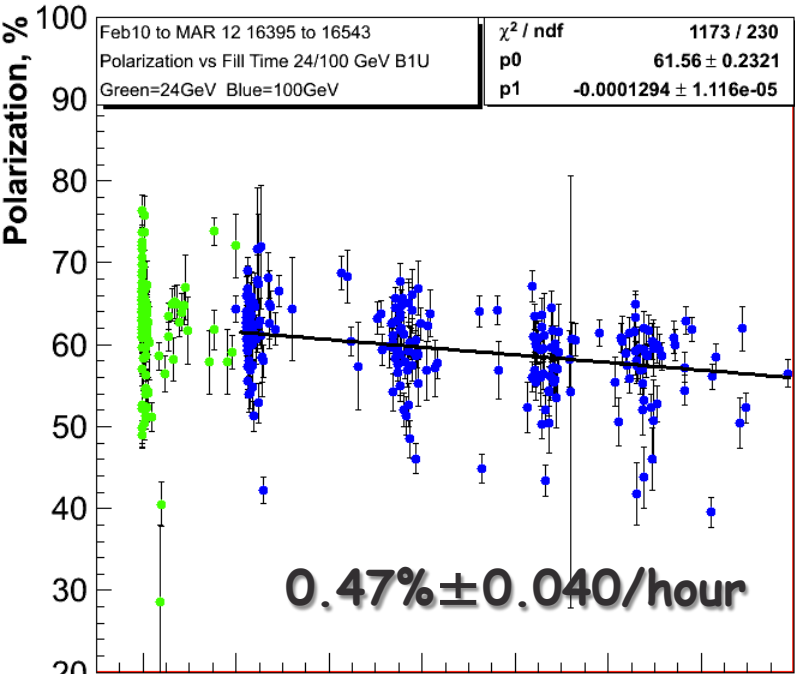
# 100 GEV RESULTS



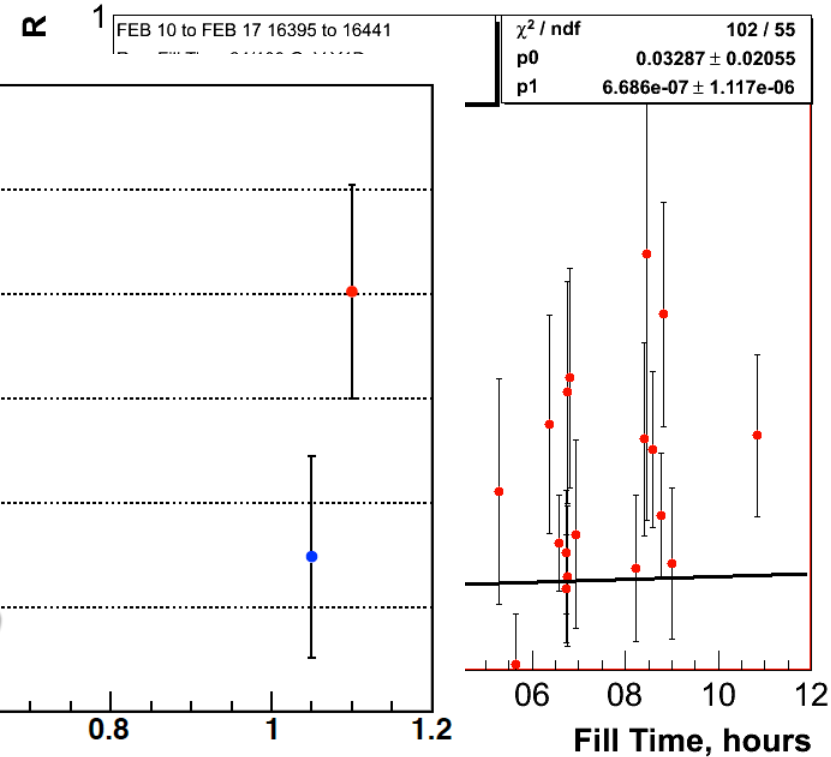
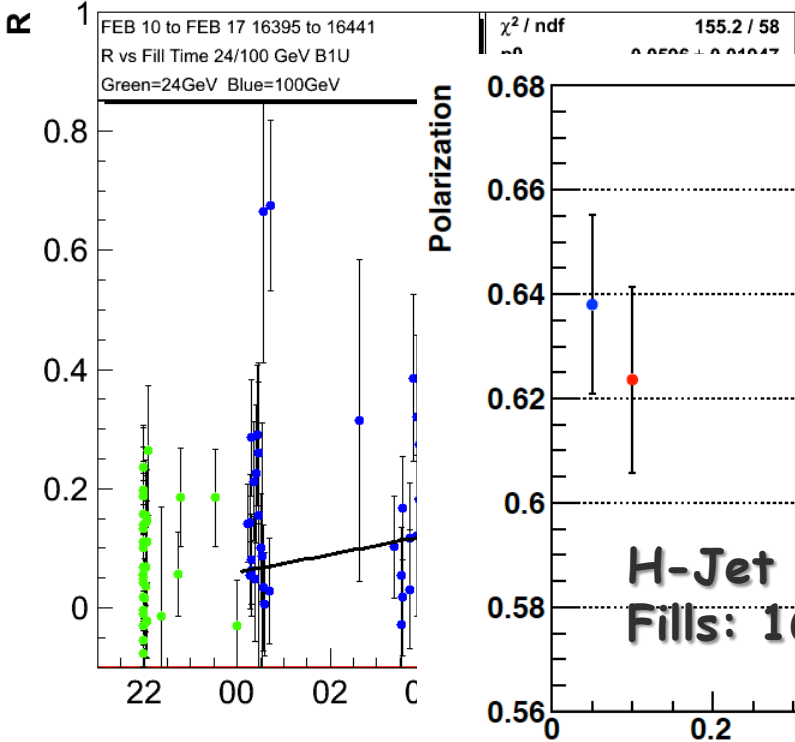
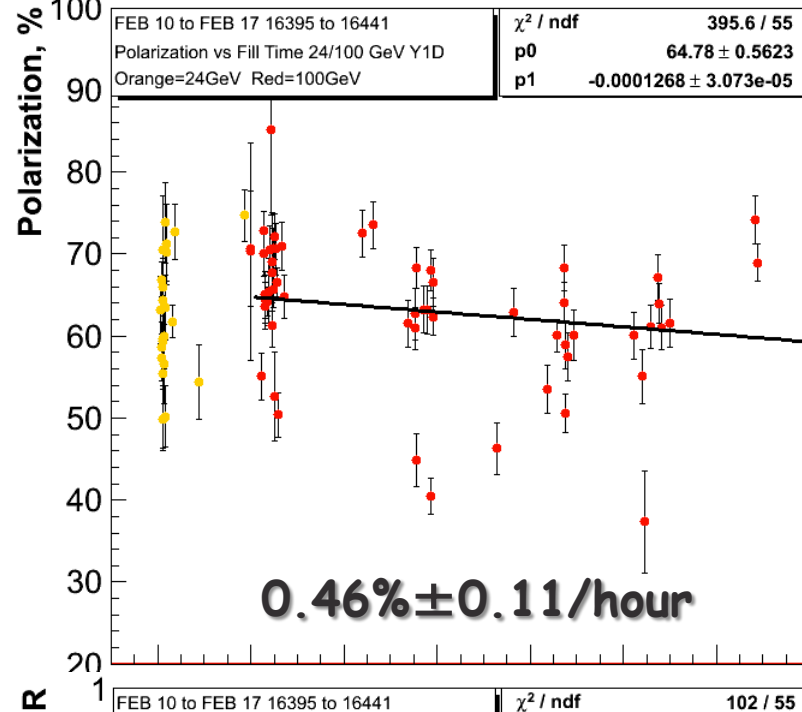
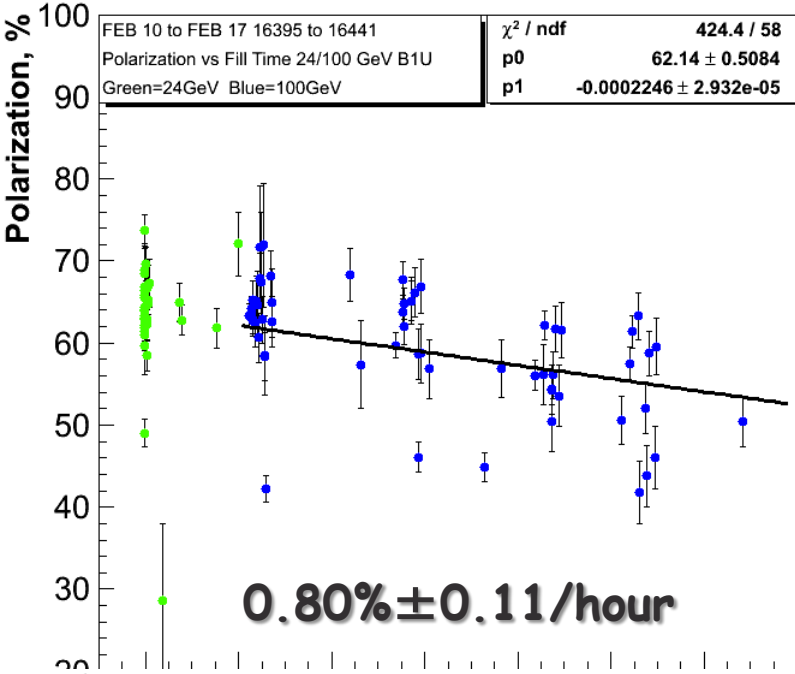
polarisation at flat top  
Blue and Yellow

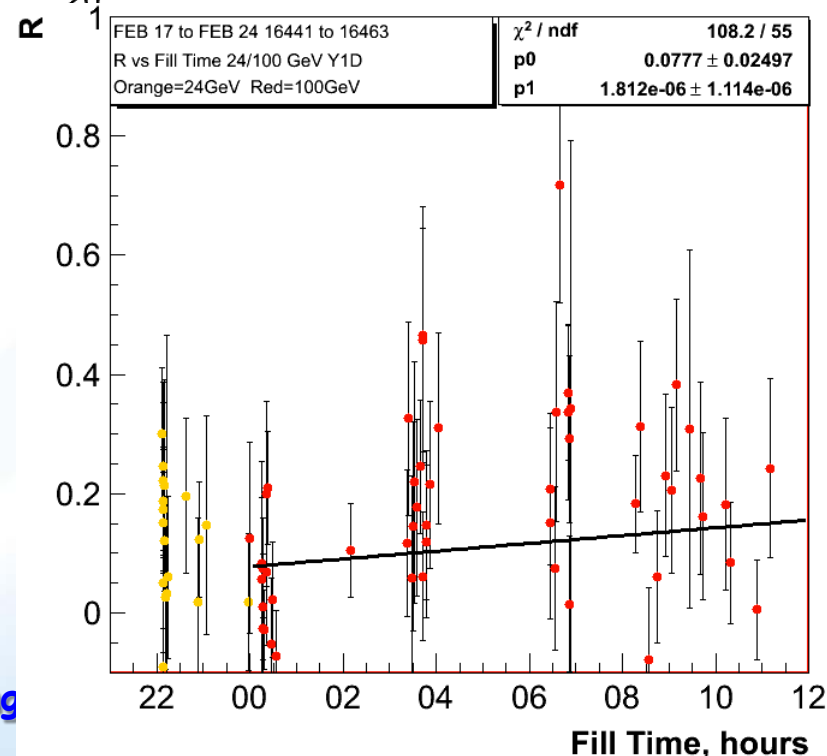
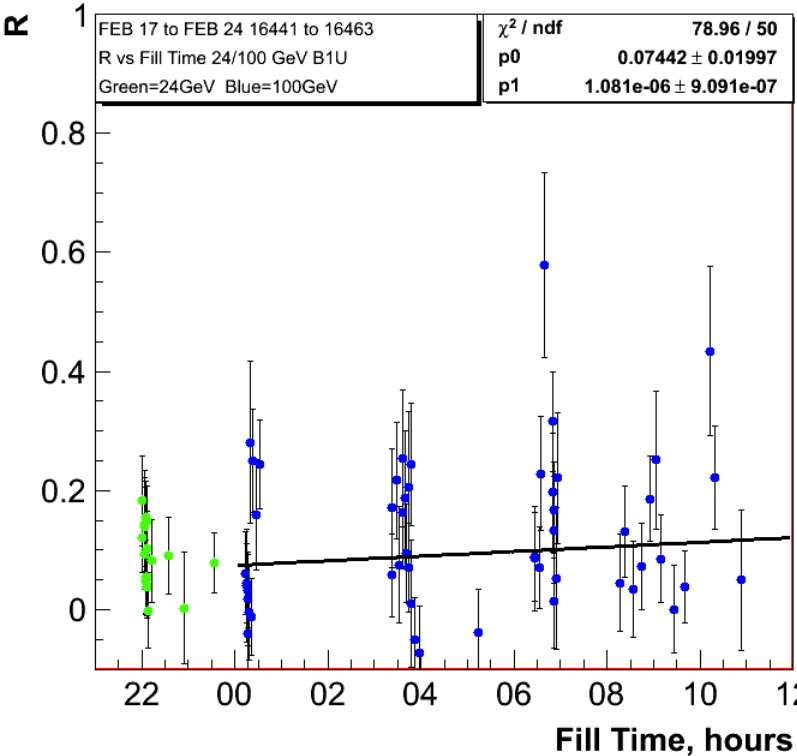
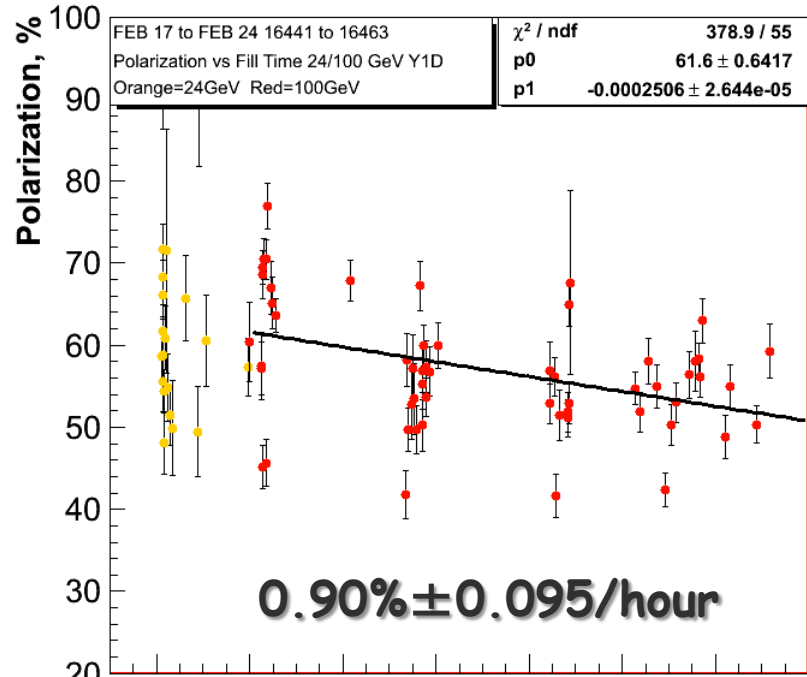
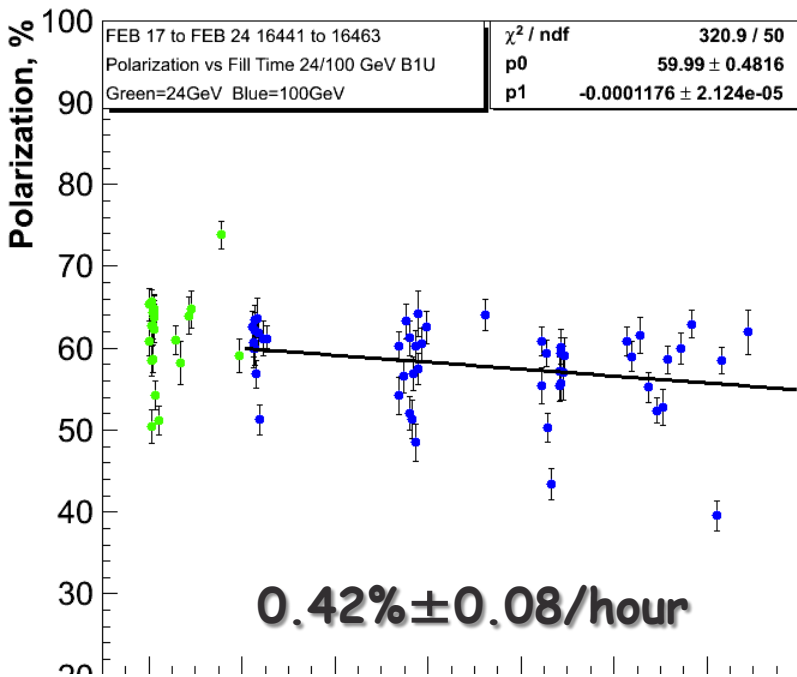
## H-JET

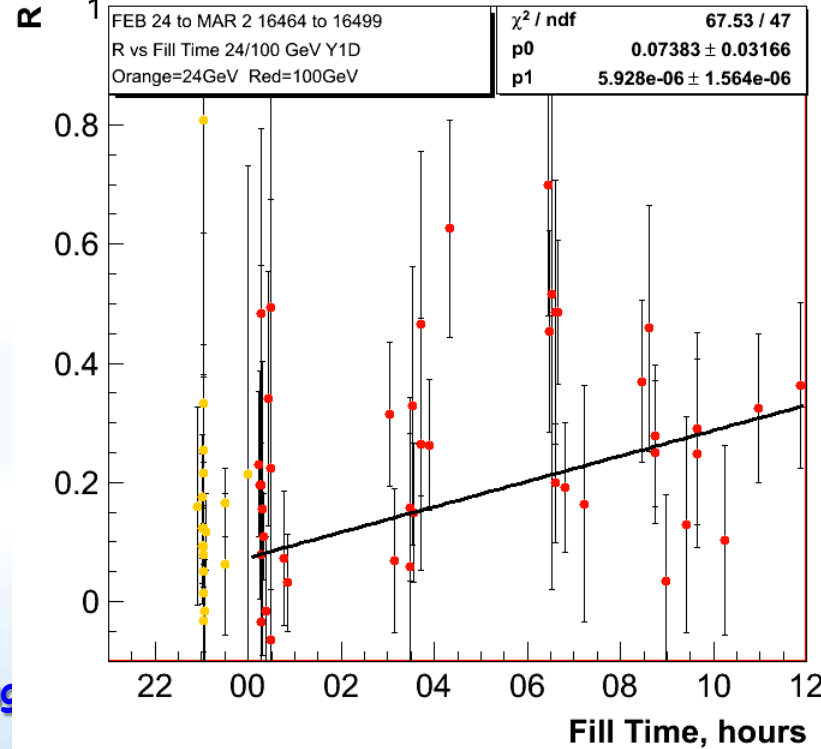
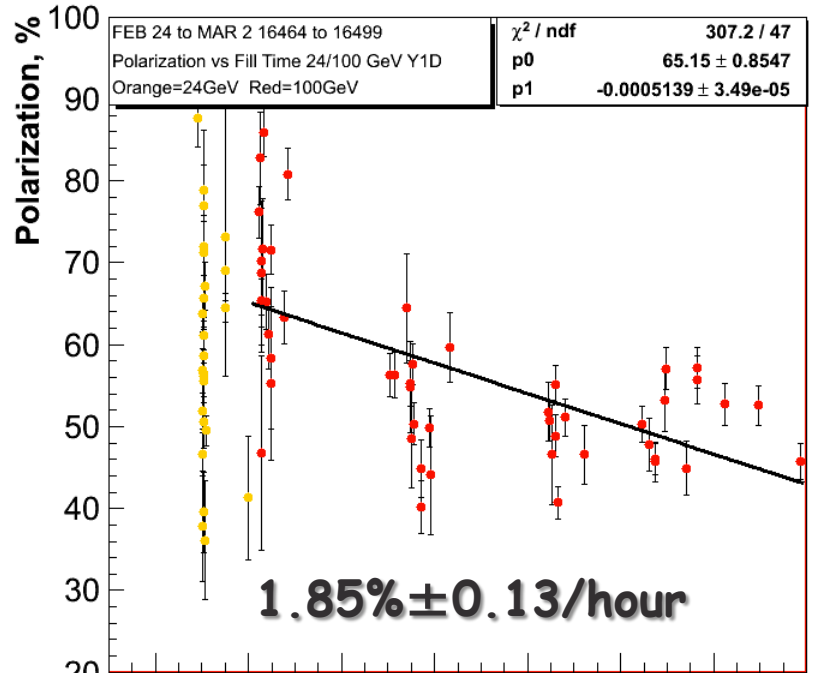
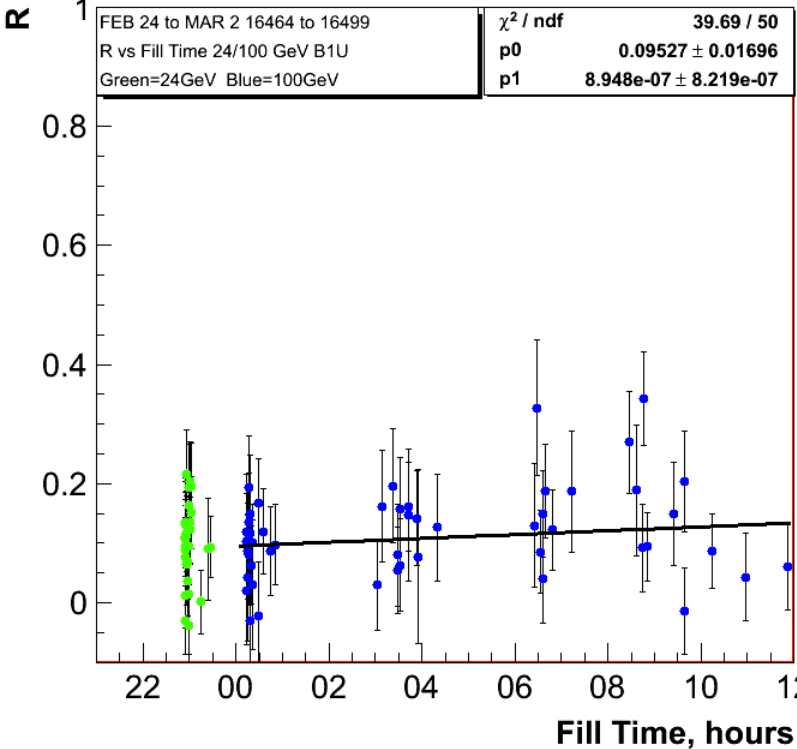
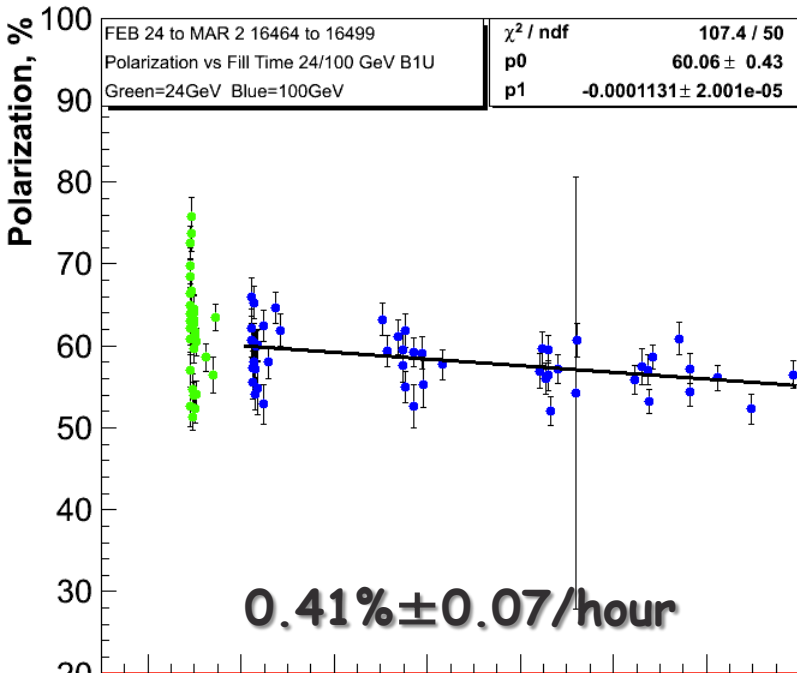


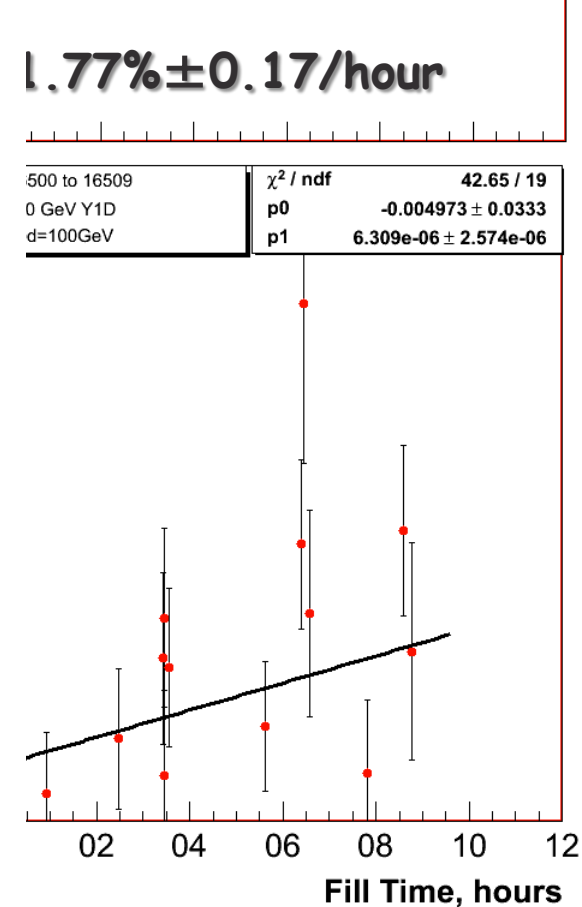
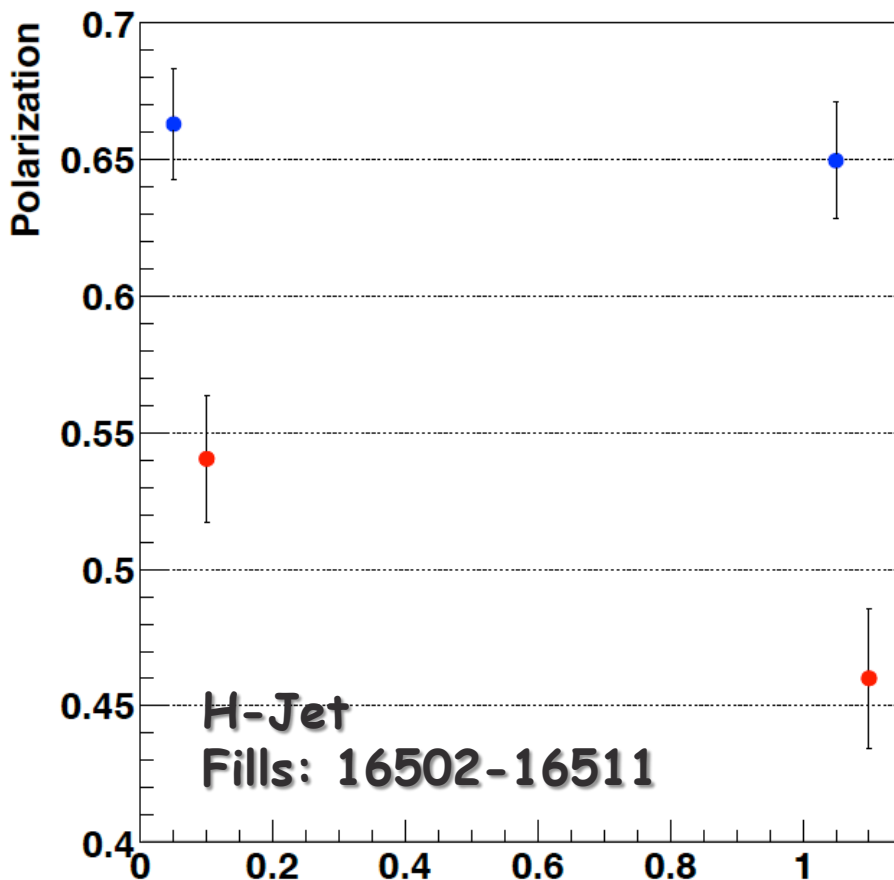
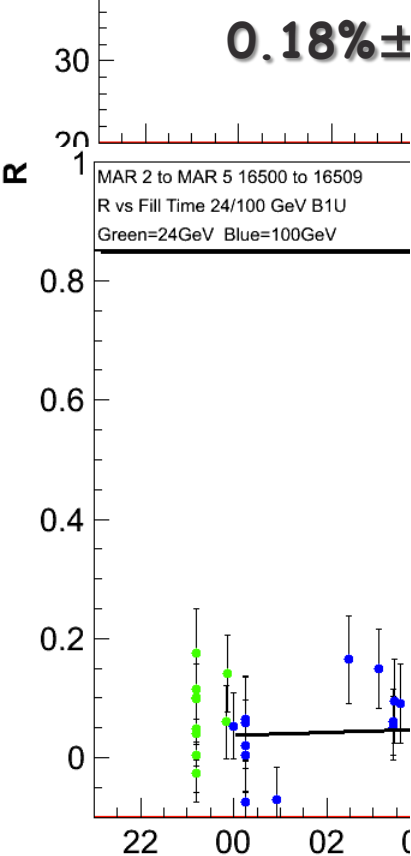
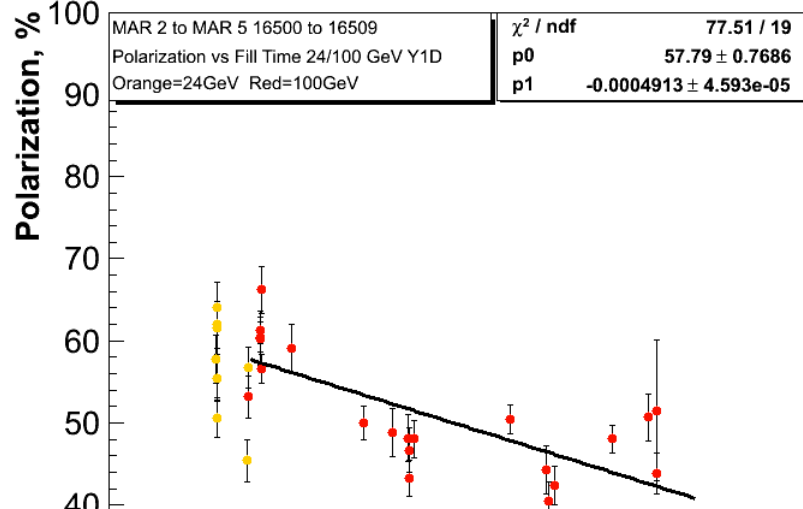
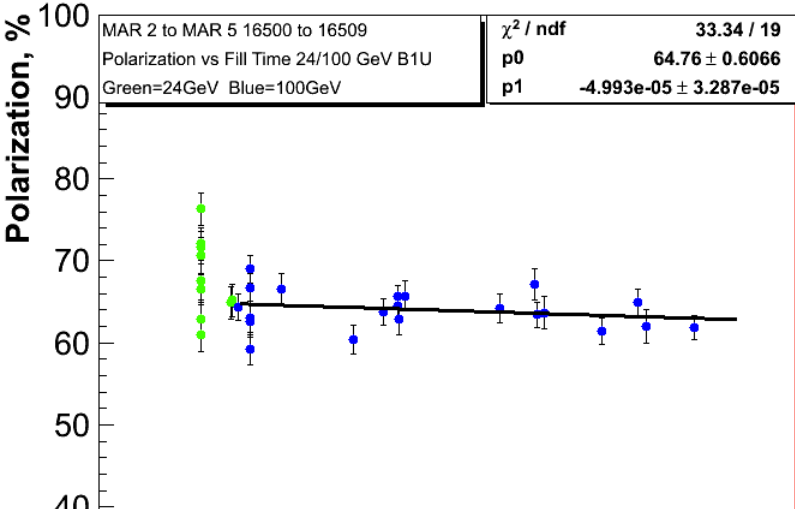


Phil Pile Meet

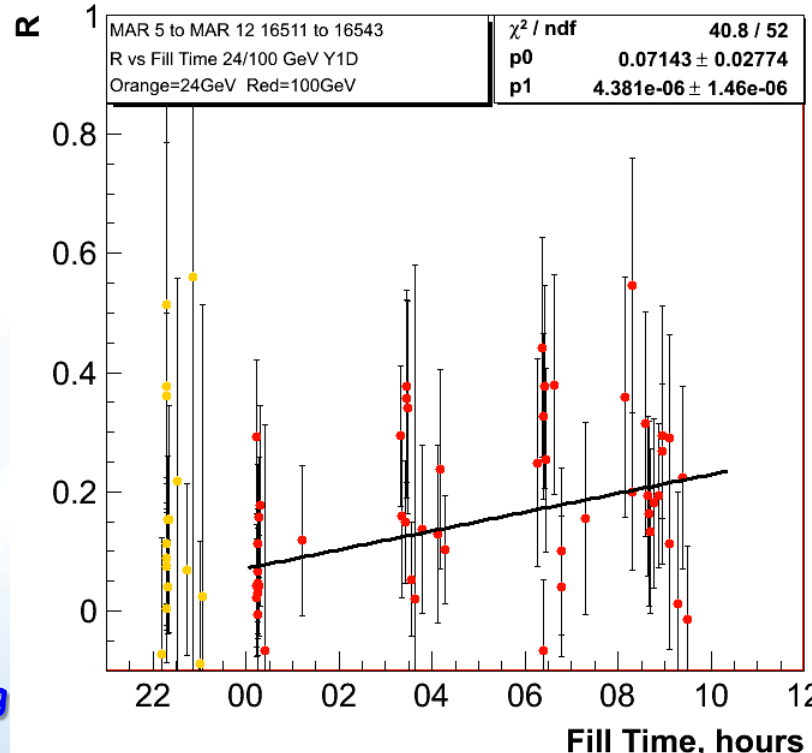
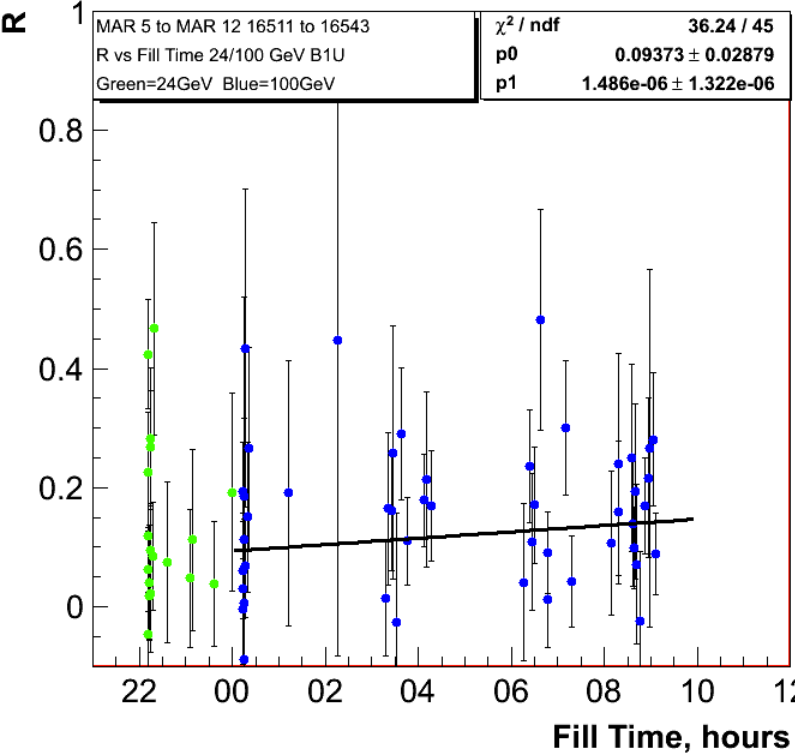
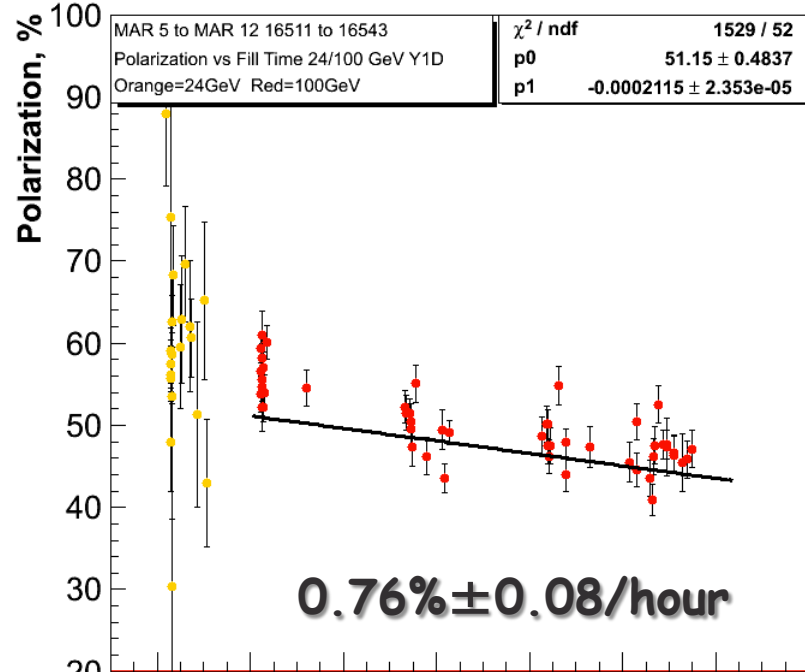
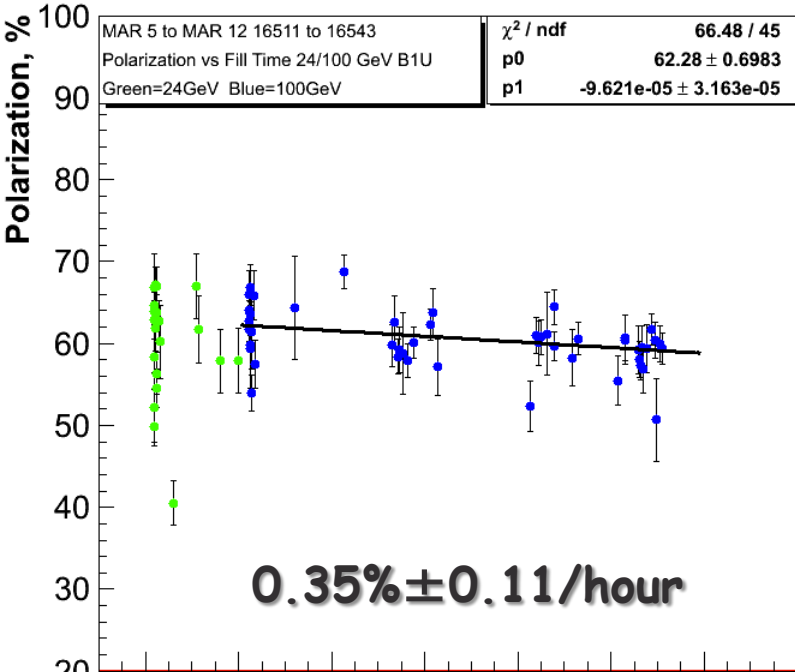




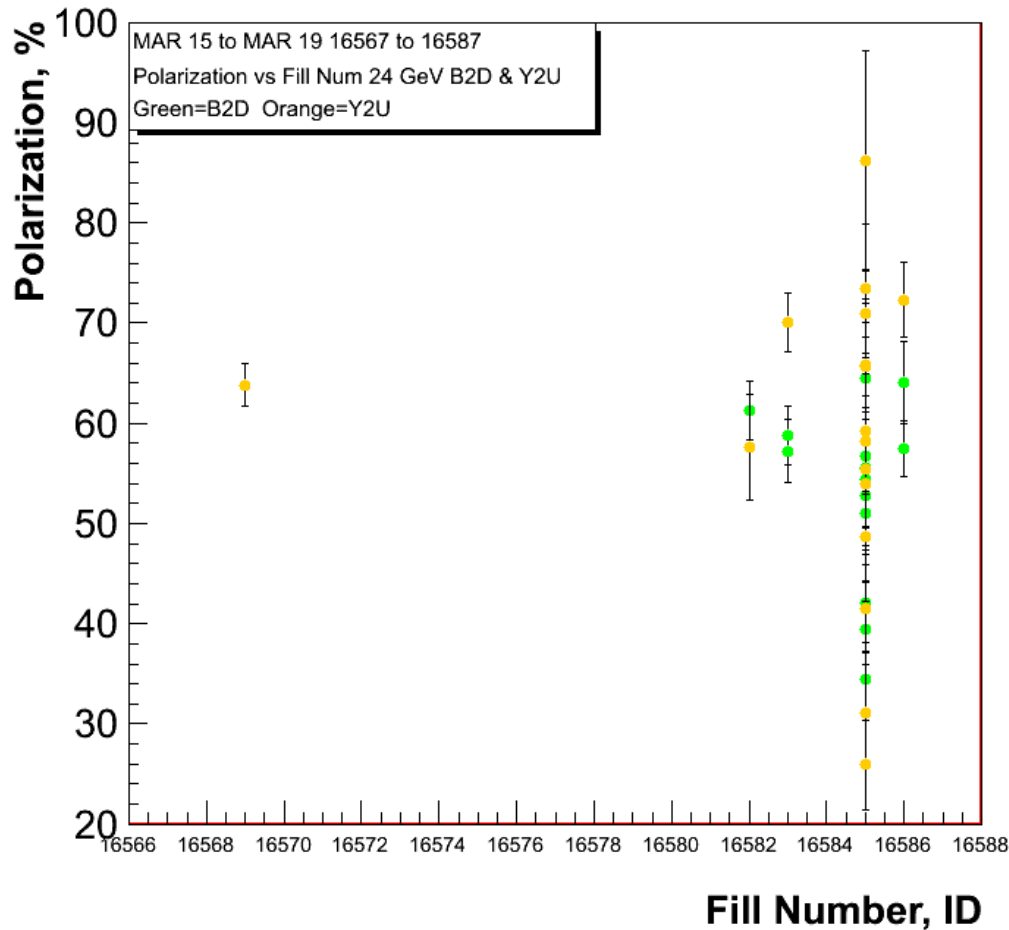








# 255 GEV RESULTS



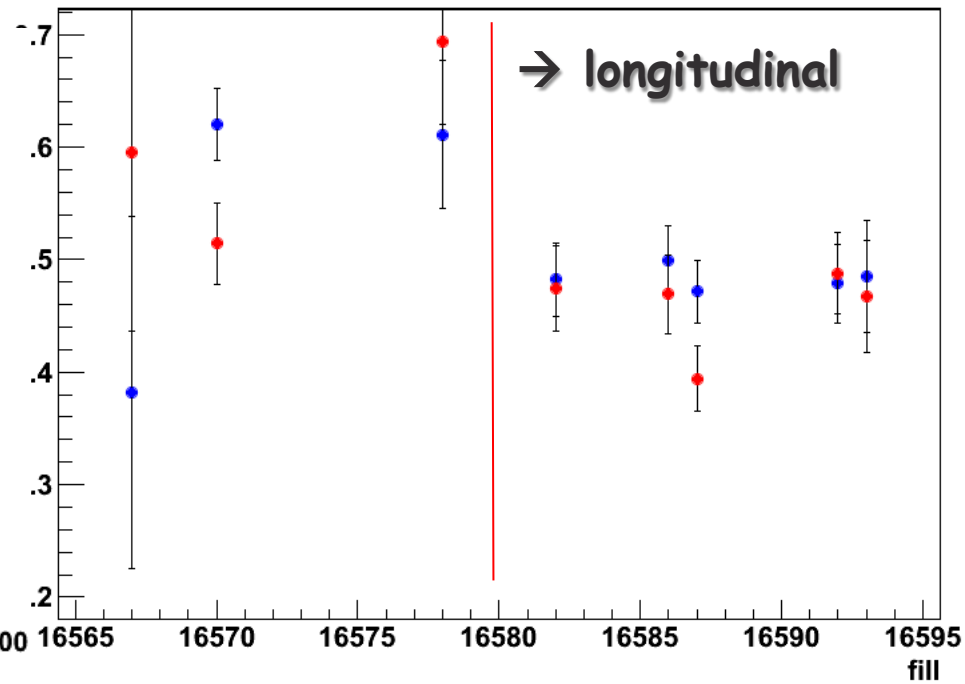
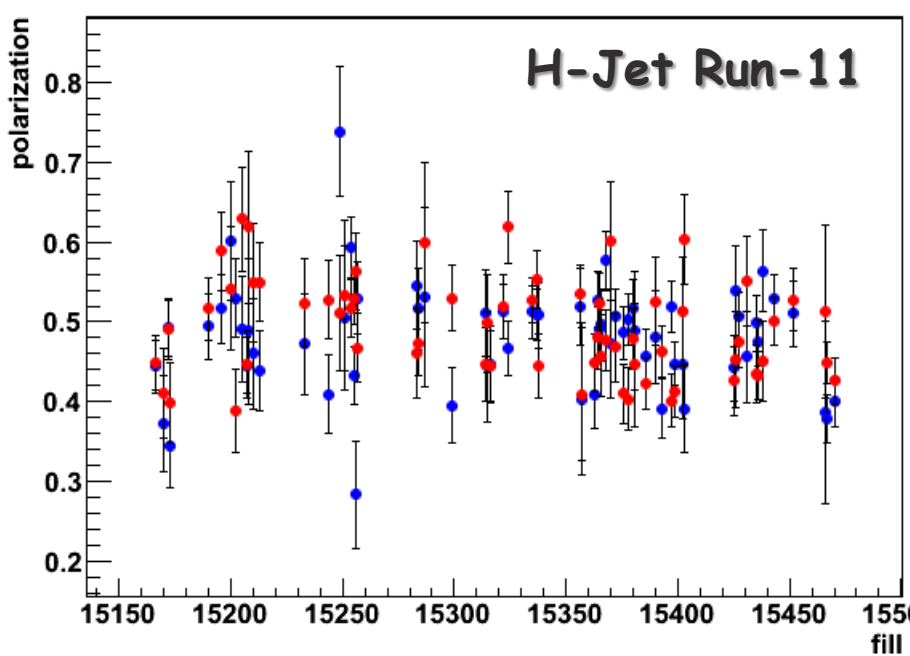
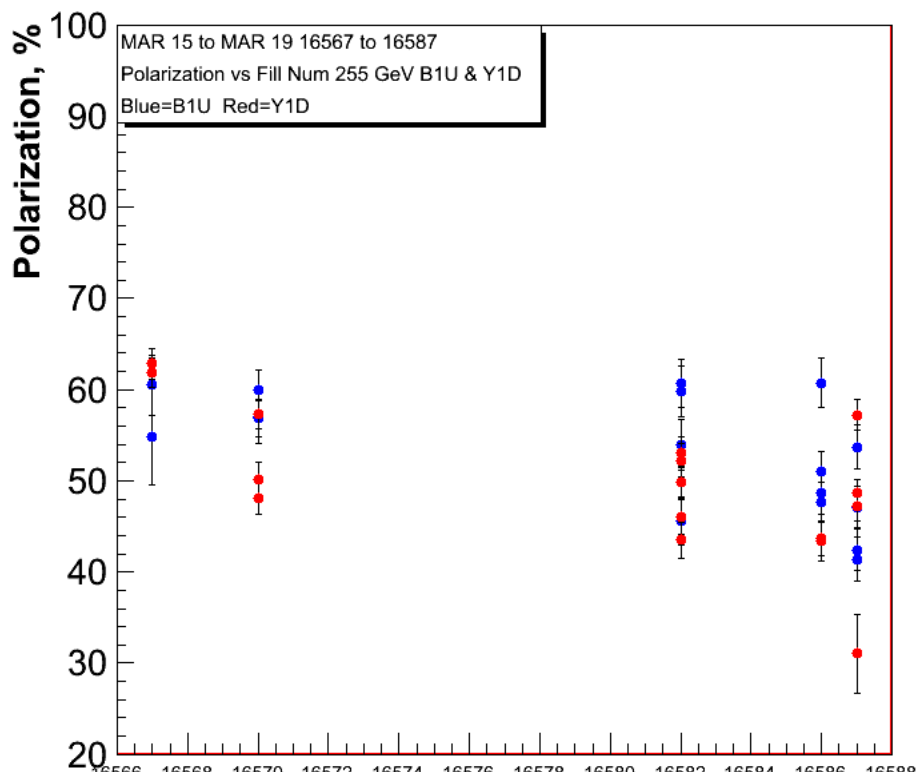
polarisation at injection  
**Blue** and **Yellow**

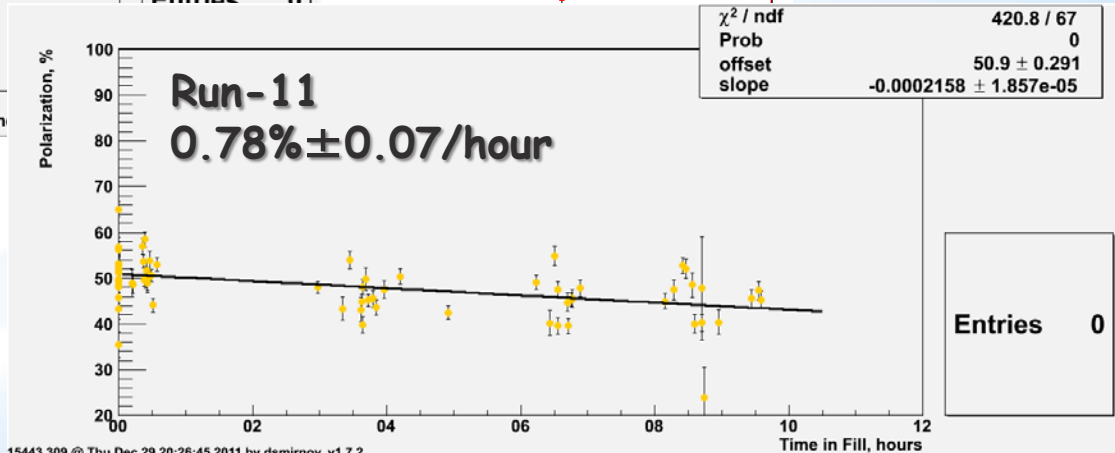
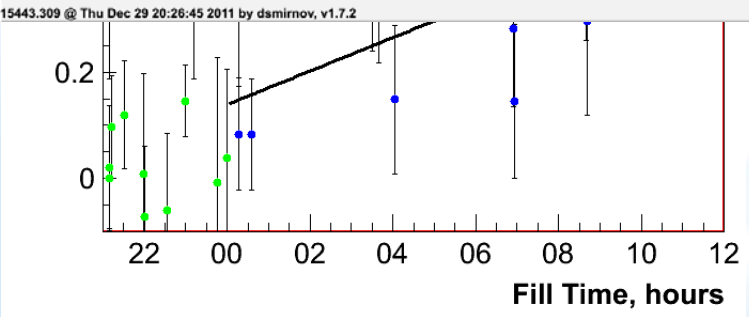
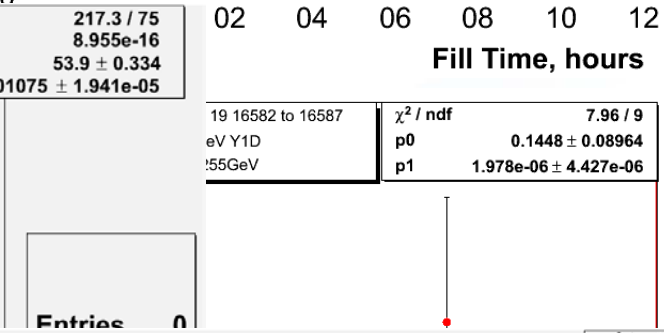
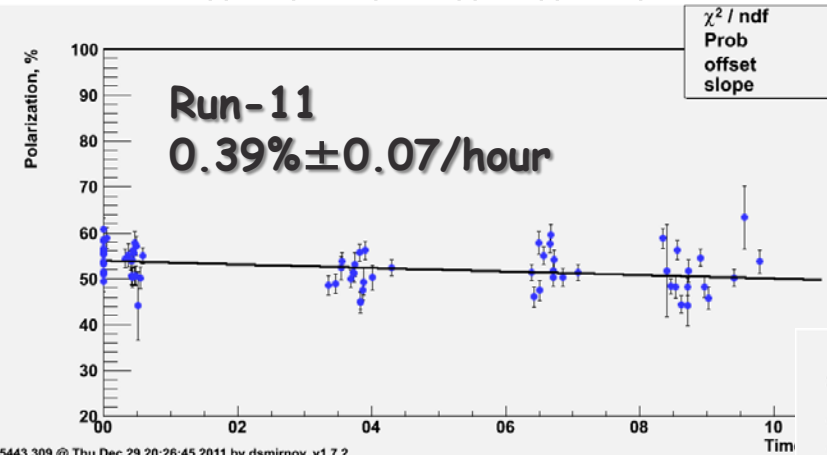
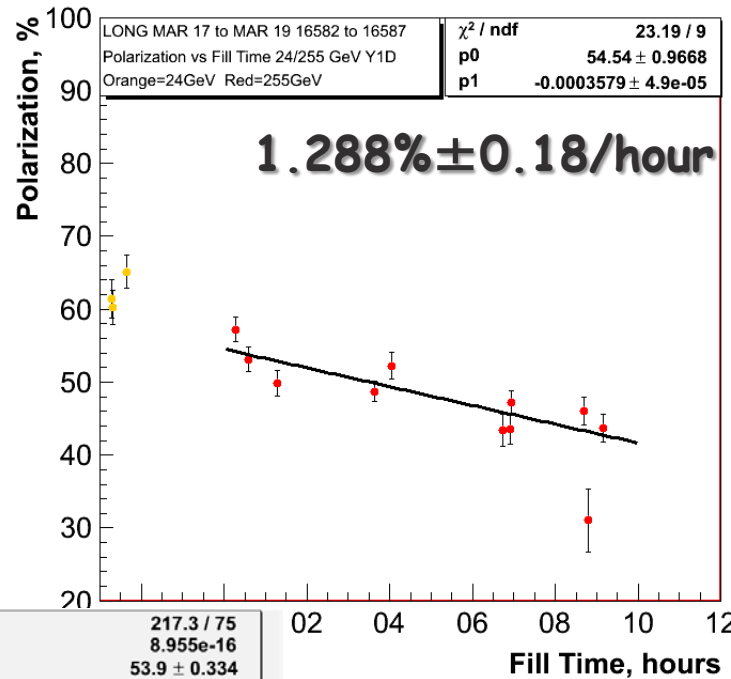
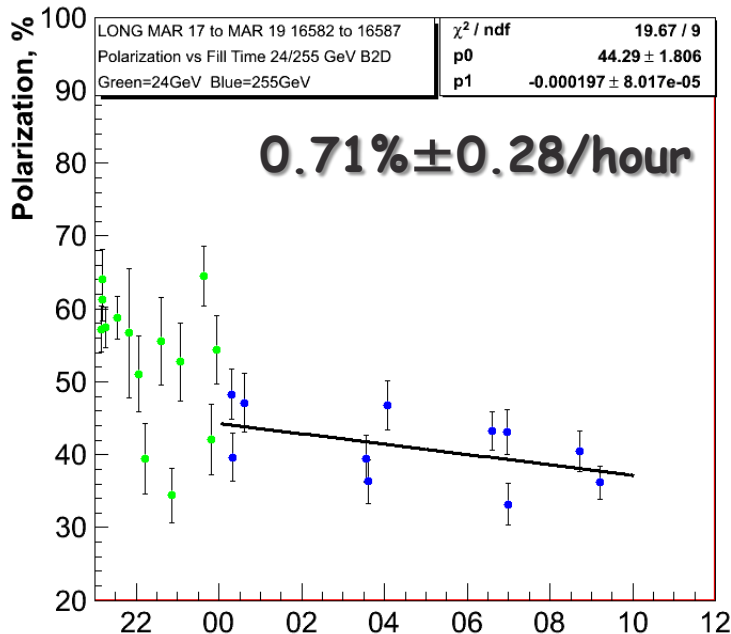
**Caveat:**

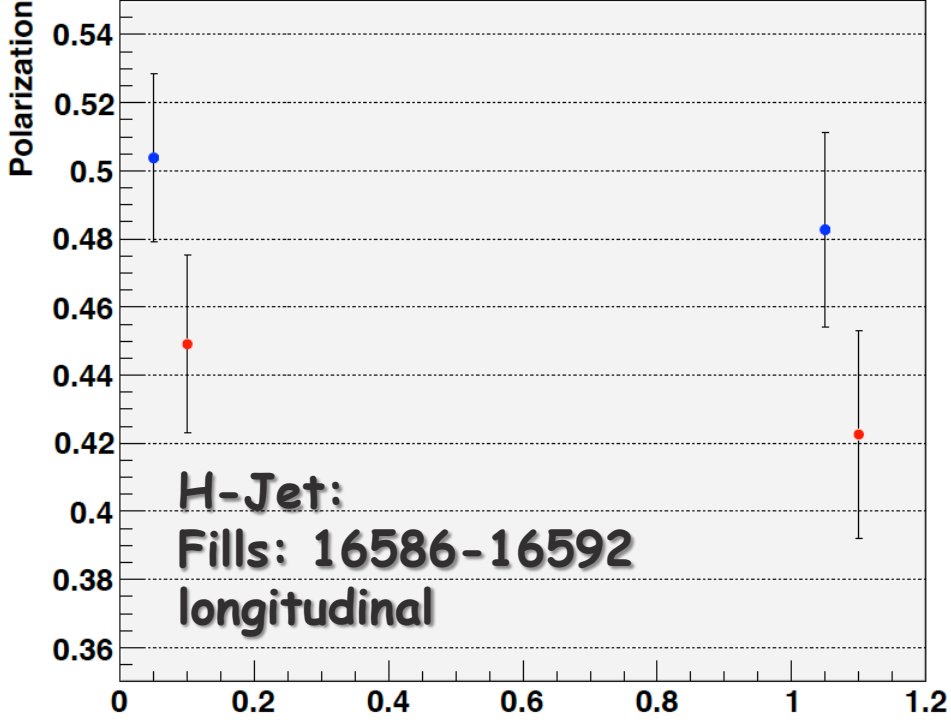
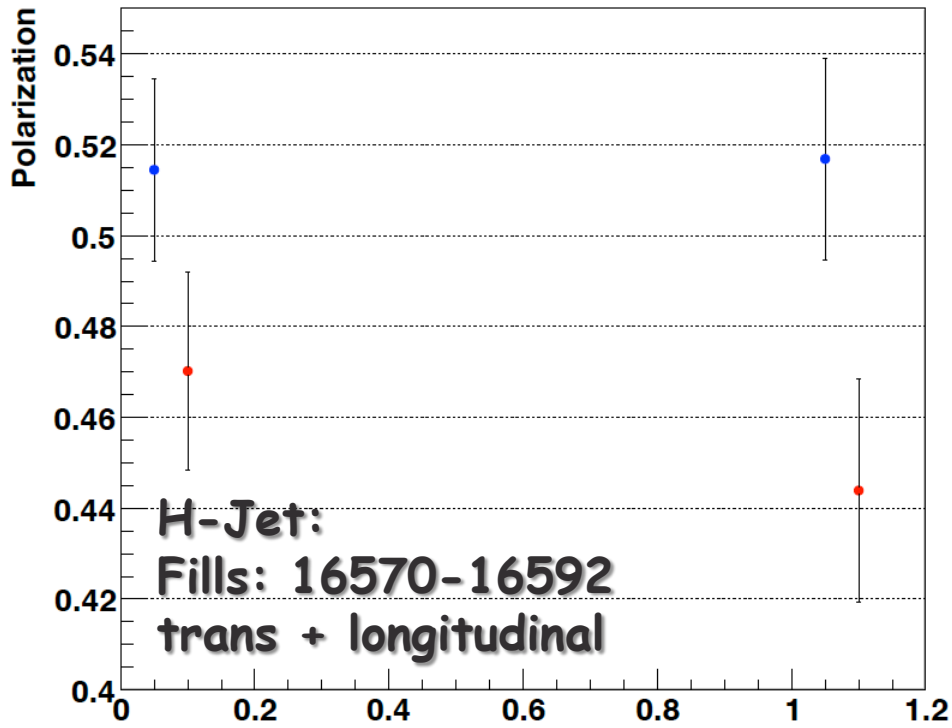
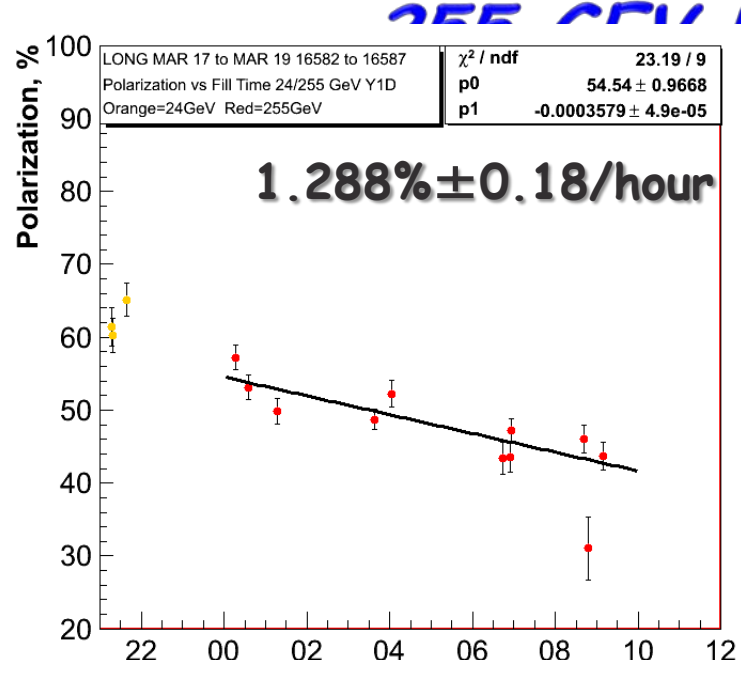
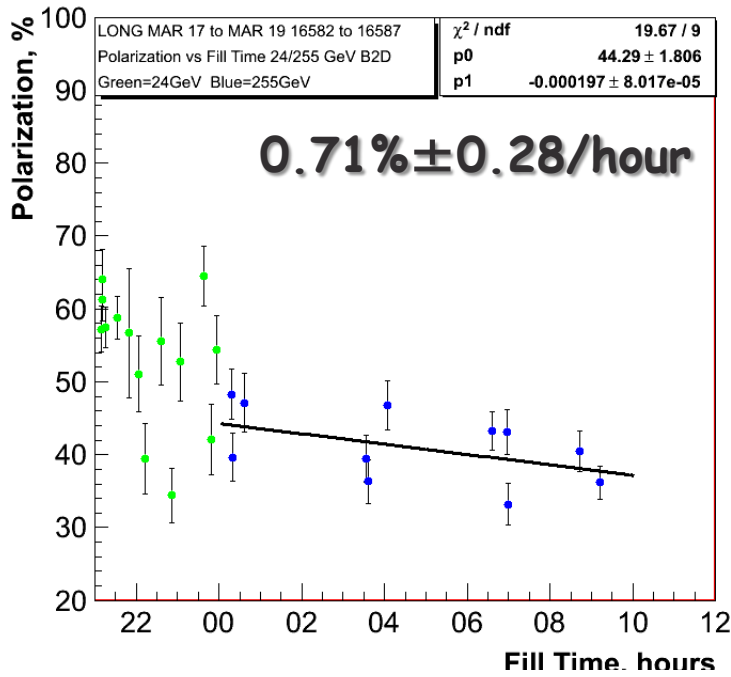
pC numbers not normalized  
to jet

# 255 GEV RESULTS

polarisation at flat top  
Blue and Yellow







## □ 100 GeV:

- main loss in polarisation through decay in fill
- polarisation decay varies from week to week for the two beams
- jet and pC polarimeters consistent observing the same trends

## □ 255 GeV:

- the polarisation loss through decay in fill and on the ramp
- jet and pC polarimeters consistent observing the same trends
- observed polarisation consistent with 2011 average
- polarisation decay in fill “comparable” to 2011