# Status of the SCT



Munich April 24, 2006

Richard Nisius (MPI München) nisius@mppmu.mpg.de





## The SCT-TRT Barrel Integration



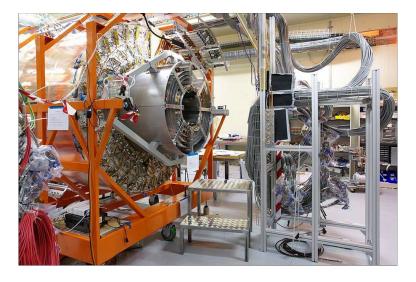






The SCT insertion was smoothly performed on February 17, 2006.

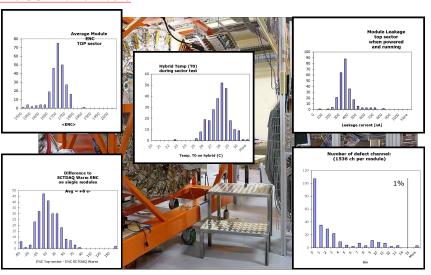
## **The SCT Barrel Tests**







#### **The SCT Barrel Tests**



The modules basically performed as expected

## The ENDCAP A on its Trip from NIKHEF to CERN

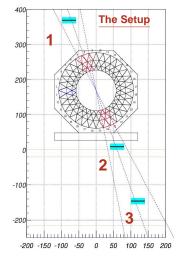


The transport went smoothly on April 19, 2006.

<□▶ <圊▶ <불▶ <불▶ 열♥ 의익()

April 24, 2006

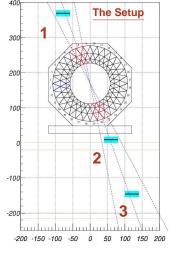
# The combined SCT TRT Cosmic Ray Test





**Richard Nisius** 

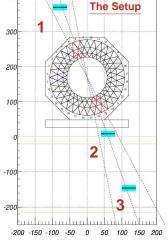
# The combined SCT TRT Cosmic Ray Test



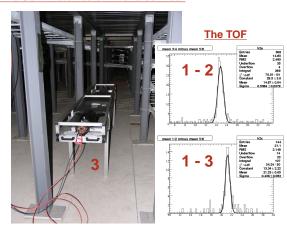
The Scintillator below the false Floor



## The combined SCT TRT Cosmic Ray Test



#### The Scintillator below the false Floor



The trigger is running and has already been used to test the TRT DAQ.

### **Conclusions and Outlook**

- $-% \frac{1}{2}\left( -\right) =-\left( -\right) +\left( -\right) +\left$
- The combined test of the barrel is imminent, TRT data were taken already.
- $-\ \mbox{We contributed}$  to the trigger setup of the combined cosmic ray test by Nabil Ghodbane.



## **Conclusions and Outlook**

- The SCT into TRT insertion went smoothly for the barrel.
- The combined test of the barrel is imminent, TRT data were taken already.
- We contributed to the trigger setup of the combined cosmic ray test by Nabil Ghodbane.
- Both SCT endcaps are fully equipped with modules and are now at CERN.
- The manufacturing of the endcap thermal enclosures is now on the critical path.

#### **Conclusions and Outlook**

- The SCT into TRT insertion went smoothly for the barrel.
- The combined test of the barrel is imminent, TRT data were taken already.
- We contributed to the trigger setup of the combined cosmic ray test by Nabil Ghodbane.
- Both SCT endcaps are fully equipped with modules and are now at CERN.
- $\boldsymbol{-}$  The manufacturing of the endcap thermal enclosures is now on the critical path.
- Sophie Pataraia has recently joined our group as an IMPRS PhD student.
- We are extending our top analysis, from the mass determination to the measurement of the top quark pair production cross-section.
- We extended the alignment studies to Combined TestBeam data and in future hopefully also to cosmic ray data taken with the final detectors in the SR1 building.
- An inner detector alignment and commissioning Workshop organised by the MPI SCT Group will be held at Ringberg Castle, June 12-16, 2006.



## **Conclusions and Outlook**

- The SCT into TRT insertion went smoothly for the barrel.
- The combined test of the barrel is imminent, TRT data were taken already.
- We contributed to the trigger setup of the combined cosmic ray test by Nabil Ghodbane.
- Both SCT endcaps are fully equipped with modules and are now at CERN.
- $\boldsymbol{-}$  The manufacturing of the endcap thermal enclosures is now on the critical path.
- Sophie Pataraia has recently joined our group as an IMPRS PhD student.
- We are extending our top analysis, from the mass determination to the measurement of the top quark pair production cross-section.
- We extended the alignment studies to Combined TestBeam data and in future hopefully also to cosmic ray data taken with the final detectors in the SR1 building.
- An inner detector alignment and commissioning Workshop organised by the MPI SCT Group will be held at Ringberg Castle, June 12-16, 2006.

The SCT group at MPI is very active and still growing.

