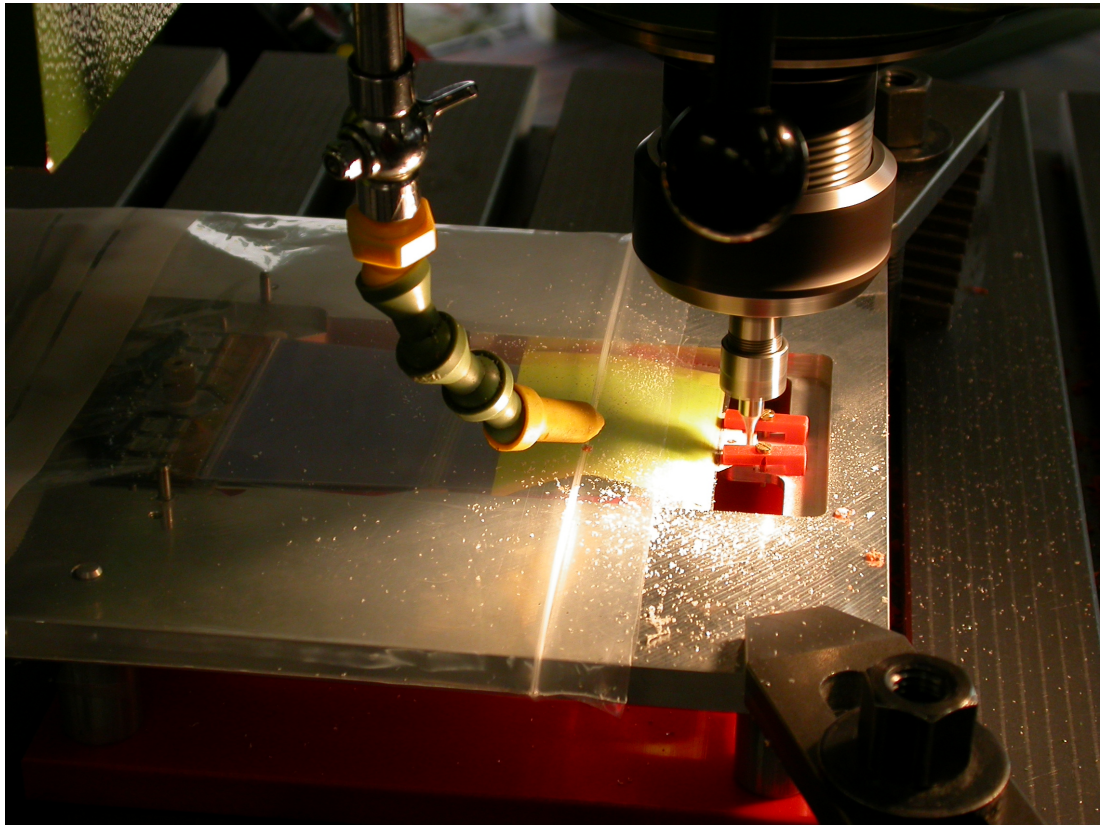
# Status of the SCT



## Munich July 25, 2005

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

Max-Planck-Institut
für Physik
München

# Status of the production

*short middle* **modules:**

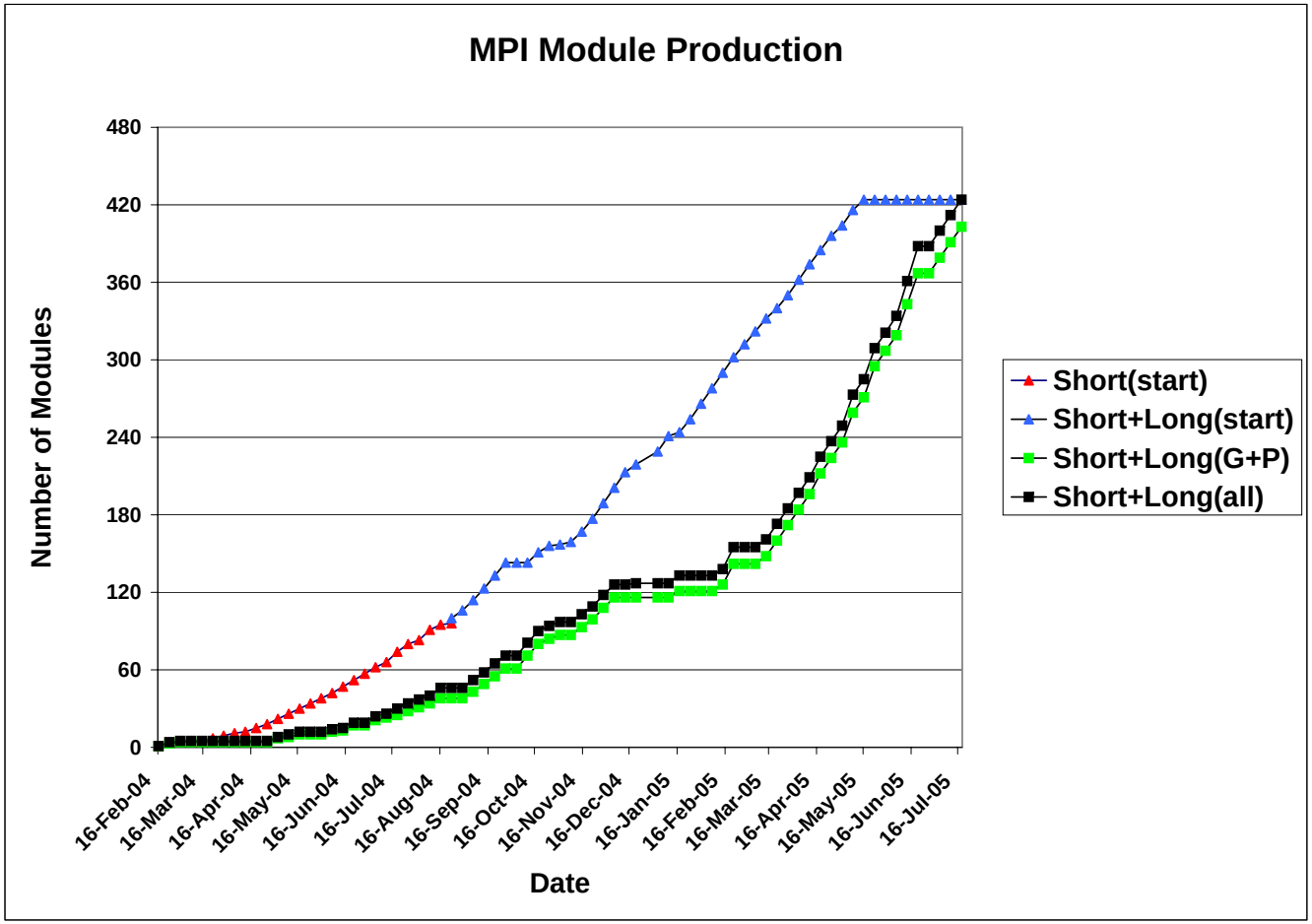
- **96 modules were started ($\epsilon = 86\%$).**
- **40 modules are working on disc 8C.**
- **40 modules are working on disc 8A.**

*long middle* **modules:**

- **328 modules were started.**
- **318 modules were send to Prague for final characterisation.**
- **The MPI efficiency was ($\epsilon = 97\%$).**
- **130 modules are already mounted onto discs 5C, 4C, 3C and 2C.**
- **42 modules are ready to be mounted onto the discs of endcap A at NIKHEF.**
- **At MPI the module production, bonding and QA are finished.**

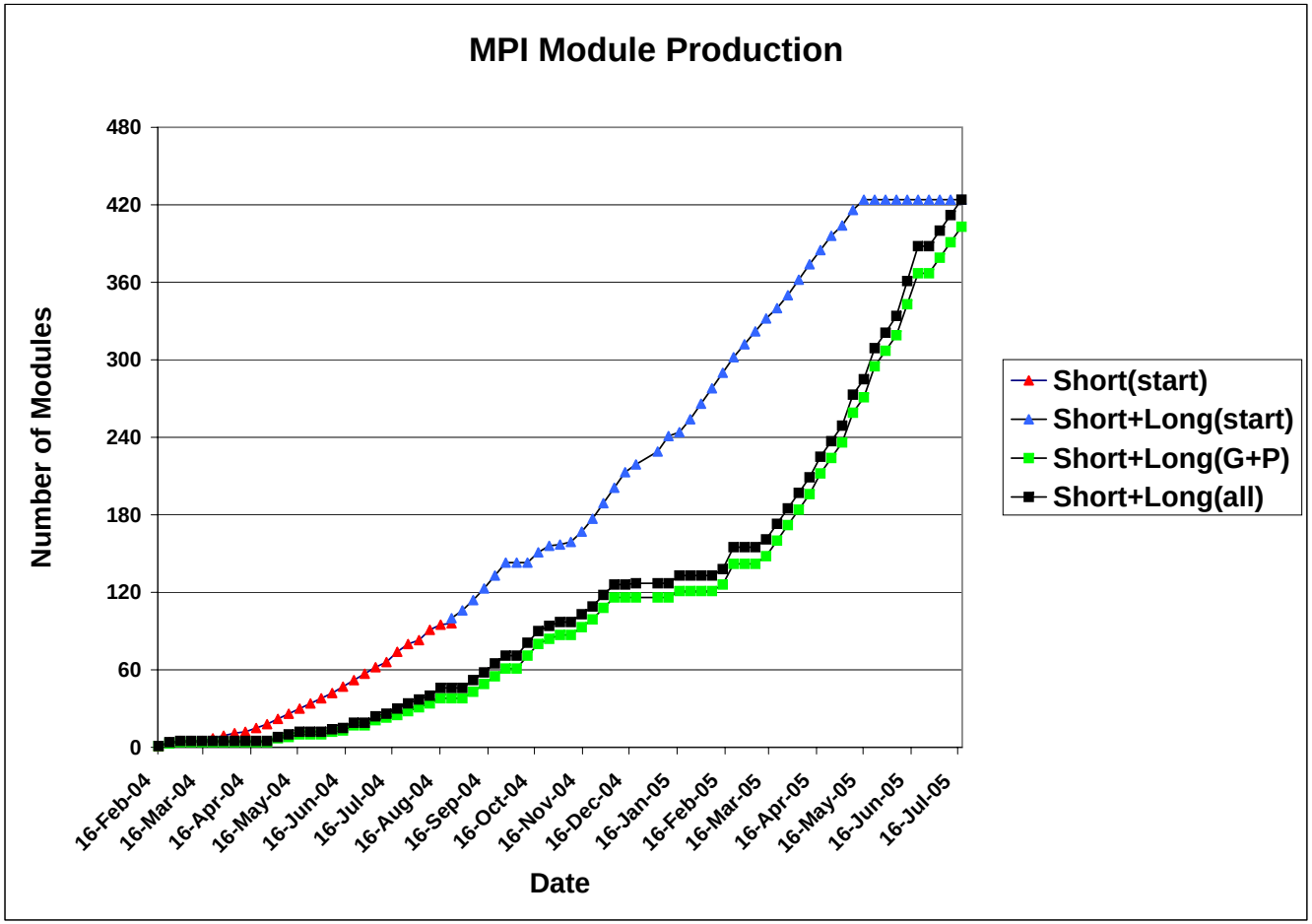
**The SCT end of production party was on the 11$^{th}$ of July.**

# The production history




MPIMProd 22/07/2005 11:36

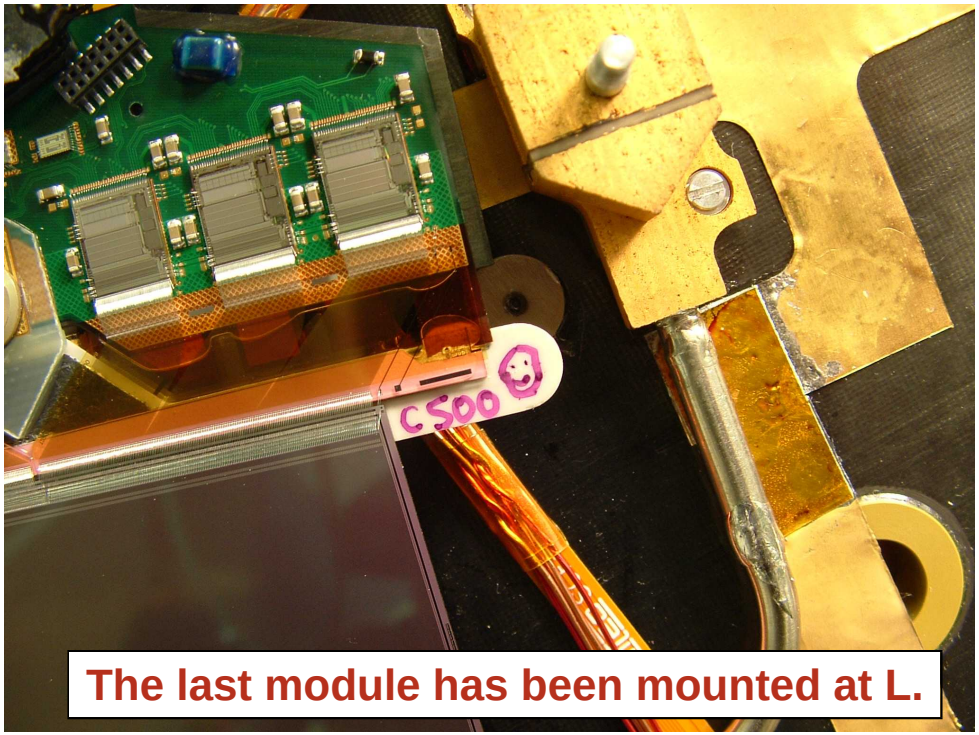
# The production history




MPIMProd 22/07/2005 11:36

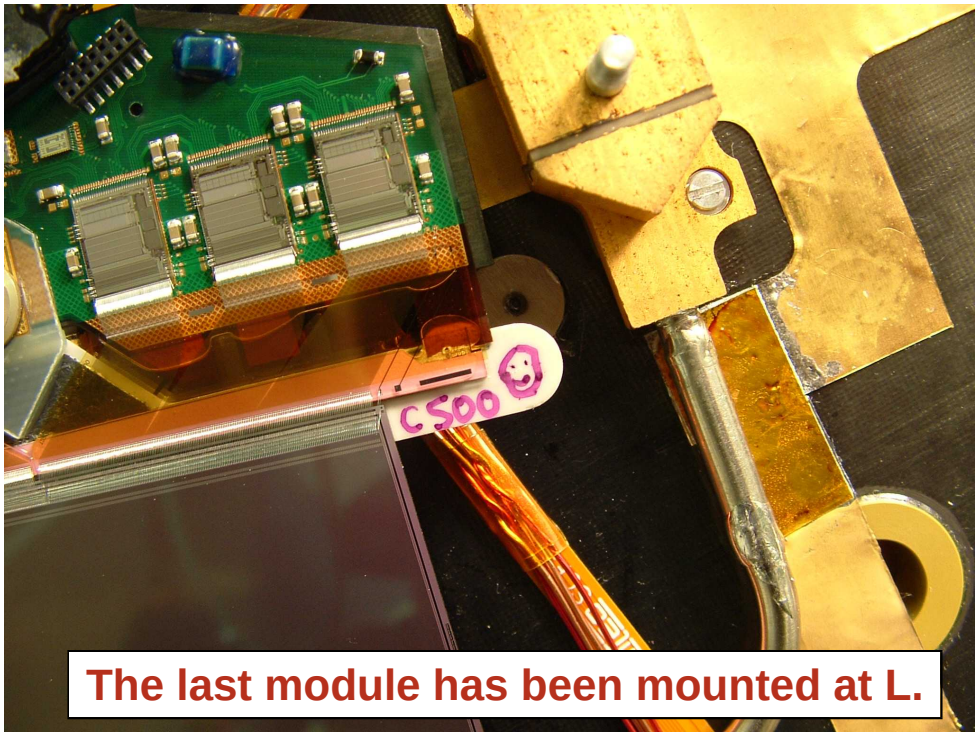
**We finally managed to catch up with the huge backlog caused by bonding problems.**

# Status of module-to-disc mounting at Liverpool

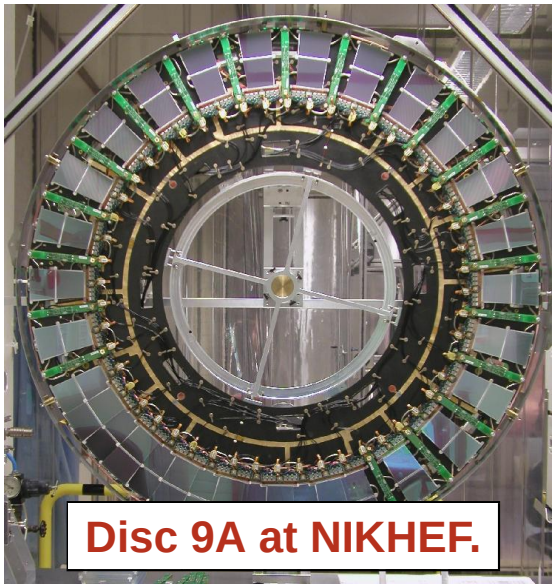



The last module has been mounted at L.

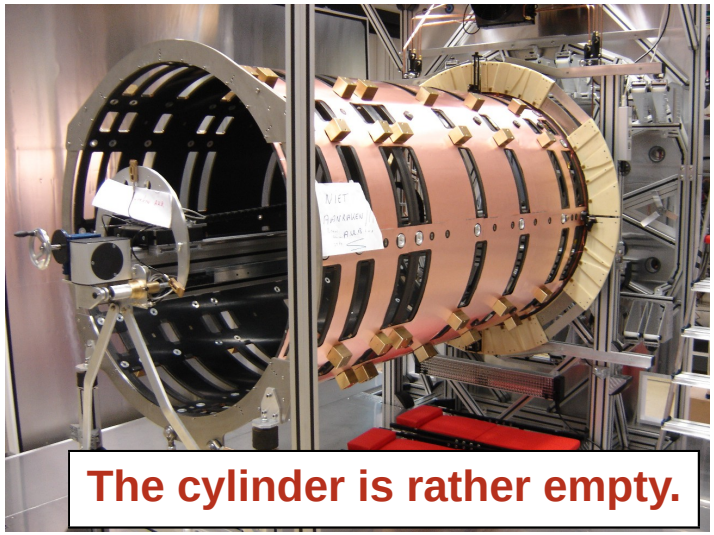
# Status of module-to-disc mounting at Liverpool and Nikhef




The last module has been mounted at L.

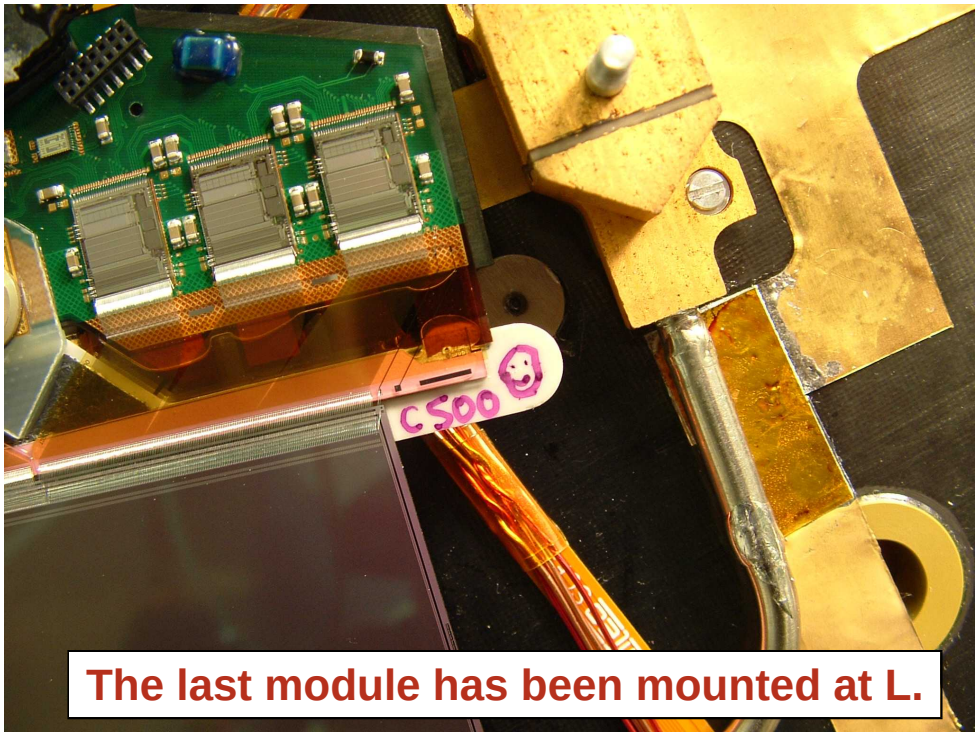


Disc 9A at NIKHEF.

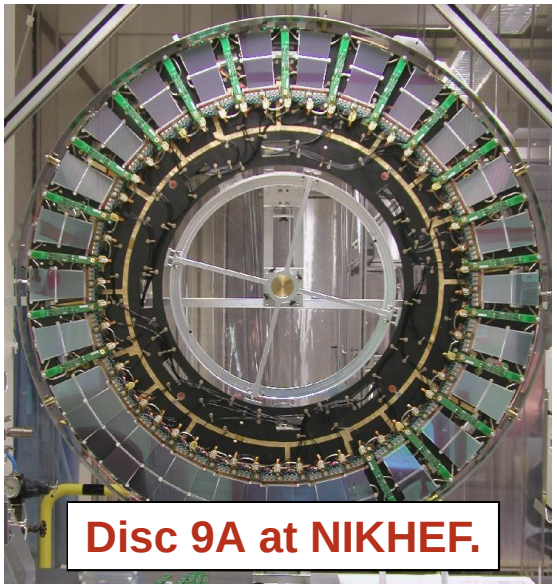


The cylinder is rather empty.

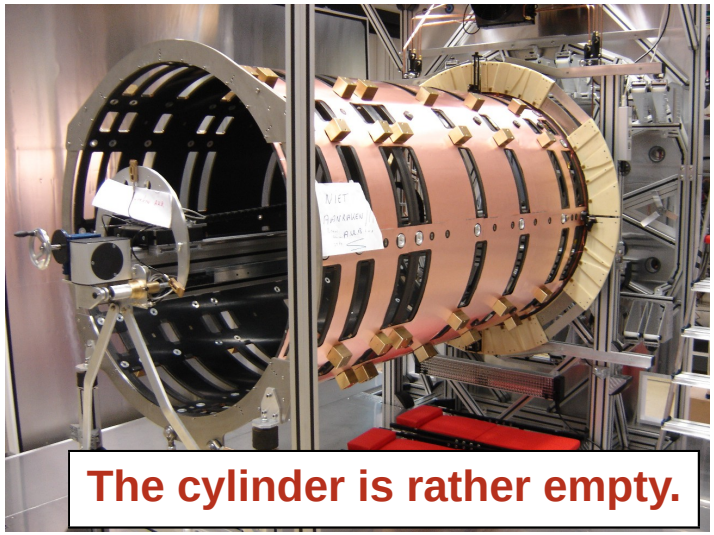
# Status of module-to-disc mounting at Liverpool and Nikhef




The last module has been mounted at L.



Disc 9A at NIKHEF.



The cylinder is rather empty.

It is still some way to finish the endcaps.

# Conclusions and Outlook

- The assembly phase is completed with an overall efficiency of $\epsilon = 94\%$, much higher than the required 85%.
- Unfortunately, on our way we lost H.G. Moser, J. Schieck and M. Wiesmann.
- From October the group will be strengthened by a new postdoc, Nabil Ghodbane.

# Conclusions and Outlook

- The assembly phase is completed with an overall efficiency of $\epsilon = 94\%$, much higher than the required 85%.
- Unfortunately, on our way we lost H.G. Moser, J. Schieck and M. Wiesmann.
- From October the group will be strengthened by a new postdoc, Nabil Ghodbane.

- Module to disc assembly is finished at Liverpool, but still critical at NIKHEF.
- A replacement of the low mass tapes is underway, but very expensive, $\mathcal{O}(450)$ kCHF.

# Conclusions and Outlook

- The assembly phase is completed with an overall efficiency of $\epsilon = 94\%$, much higher than the required 85%.
- Unfortunately, on our way we lost H.G. Moser, J. Schieck and M. Wiesmann.
- From October the group will be strengthened by a new postdoc, Nabil Ghodbane.

- Module to disc assembly is finished at Liverpool, but still critical at NIKHEF.
- A replacement of the low mass tapes is underway, but very expensive, $\mathcal{O}(450)$ kCHF.

- We now fully concentrate on other SCT issues like:
  1) The integration of SCT into the inner detector at CERN, where, at present, we contribute to the work on the rear thermal enclosure (J. Zimmer).
  2) The preparation of the alignment software for the inner detector, where the first results were already presented. (R. Härtel, T. Göttfert, S. Kluth, M. Olivo Gomez, J. Schieck).

# Conclusions and Outlook

— The assembly phase is completed with an overall efficiency of $\epsilon = 94\%$, much higher than the required 85%.
— Unfortunately, on our way we lost H.G. Moser, J. Schieck and M. Wiesmann.
— From October the group will be strengthened by a new postdoc, Nabil Ghodbane.

— Module to disc assembly is finished at Liverpool, but still critical at NIKHEF.
— A replacement of the low mass tapes is underway, but very expensive, $\mathcal{O}(450)$ kCHF.

— We now fully concentrate on other SCT issues like:
1) The integration of SCT into the inner detector at CERN, where, at present, we contribute to the work on the rear thermal enclosure (J. Zimmer).
2) The preparation of the alignment software for the inner detector, where the first results were already presented. (R. Härtel, T. Göttfert, S. Kluth, M. Olivo Gomez, J. Schieck).

**The SCT group at MPI is entering a new phase of challenges.**