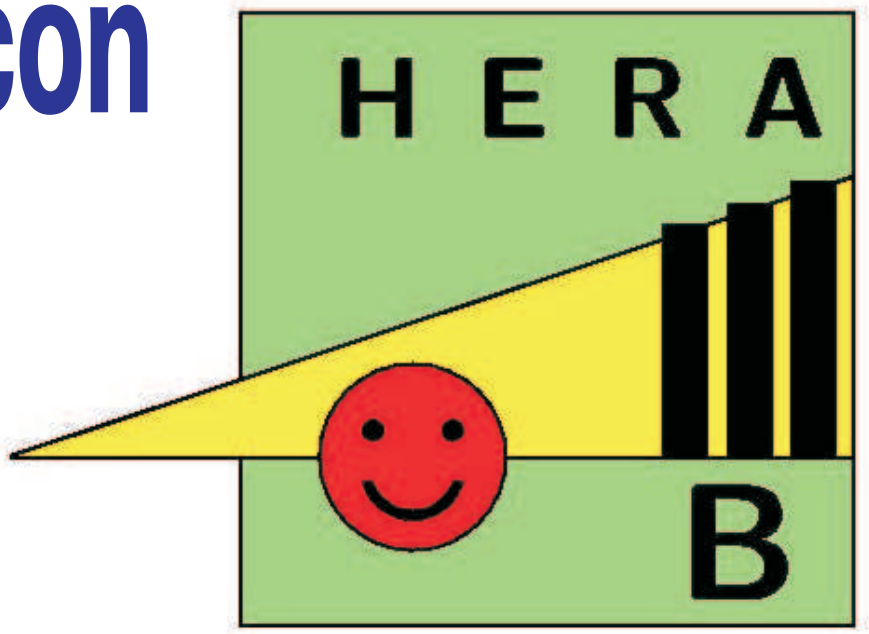
# QC for the HERA-B Silicon

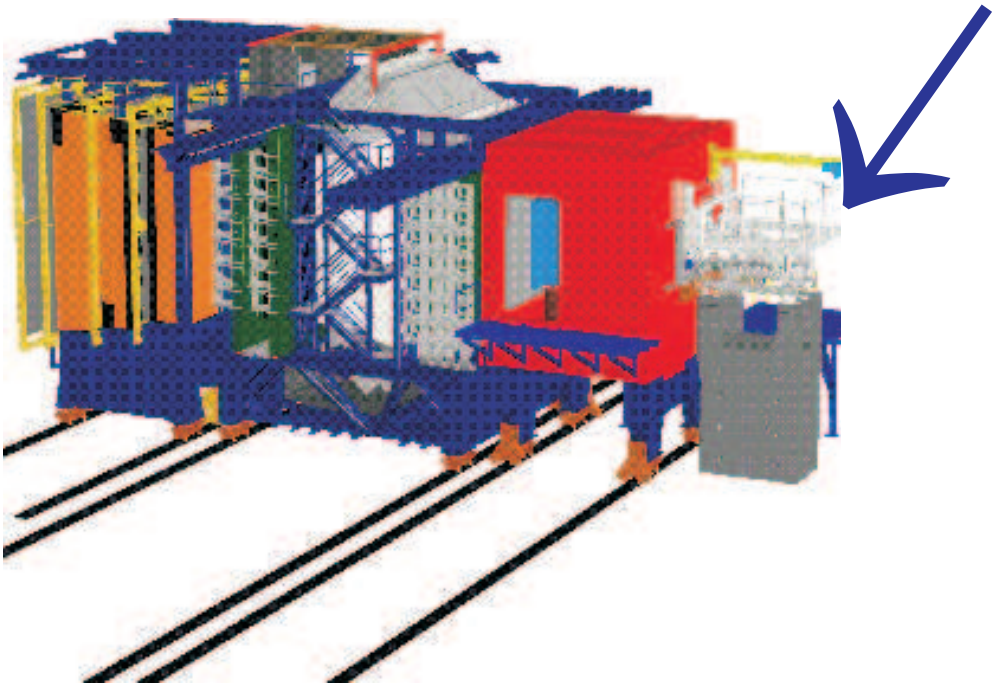



I.Abt
MPI München
isa@mppmu.mpg.de

May 2001

# The Place

## Vertex detector system for HERA-B,



## a forward spectrometer to study CP-Violation in the B-system.

# Content of this Talk

- Silicon Design
- Silicon QC
- Module Design
- Module Production
- Module QC
- Installation Procedures
- Concluding Remarks

# The Problems

- 10 mrad → 1cm → 10MRAD
- high track density
- multiple scattering
  - ↳ Roman Pots
  - ↳ Operation in vacuum
  - ↳ Cooling through support
  - ↳ double sided detectors
- has to be movable
- needs easy exchanges
- has to run at 10 MHz
- needs a 141 pipeline