

# Mechanics, Infrastructure



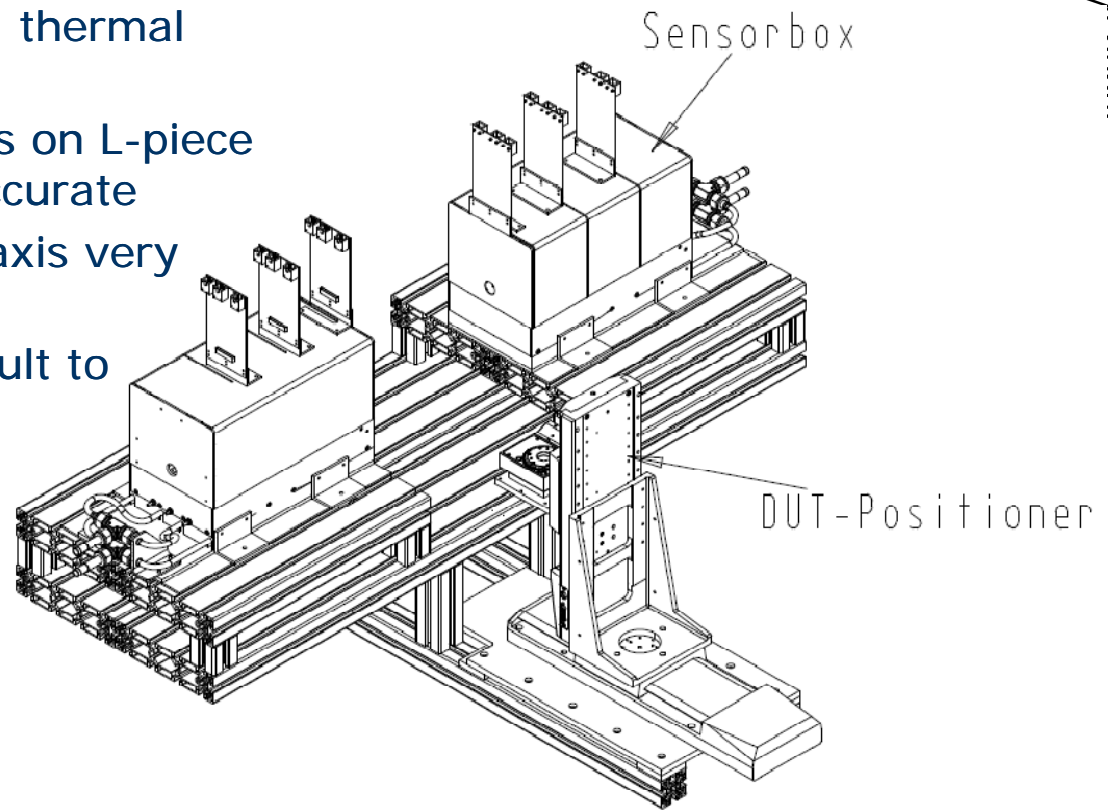
Ingrid-Maria Gregor  
DESY

JRA1 Meeting, Hamburg January 30<sup>th</sup> 2008



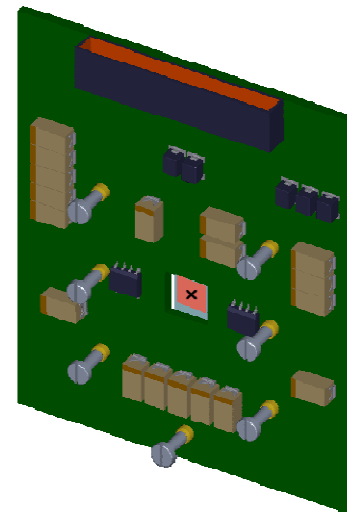
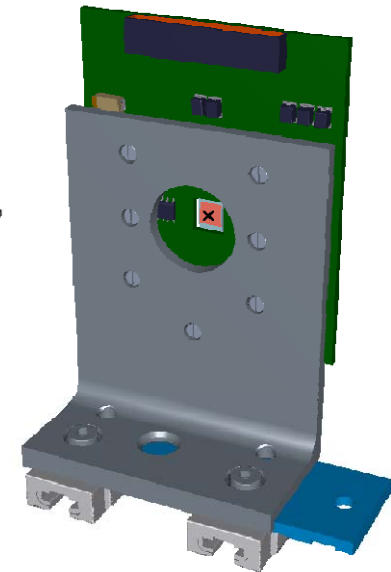
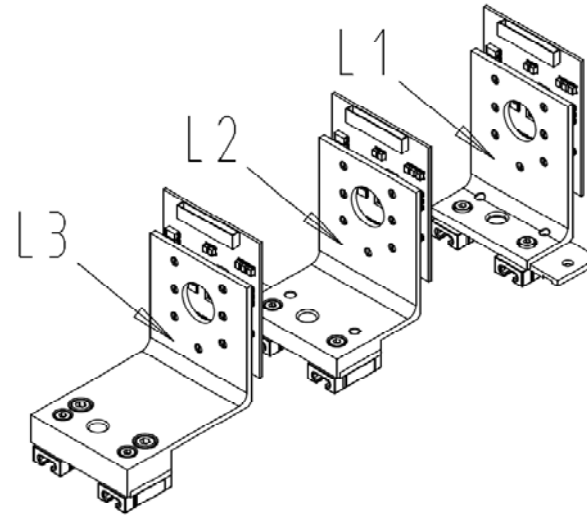
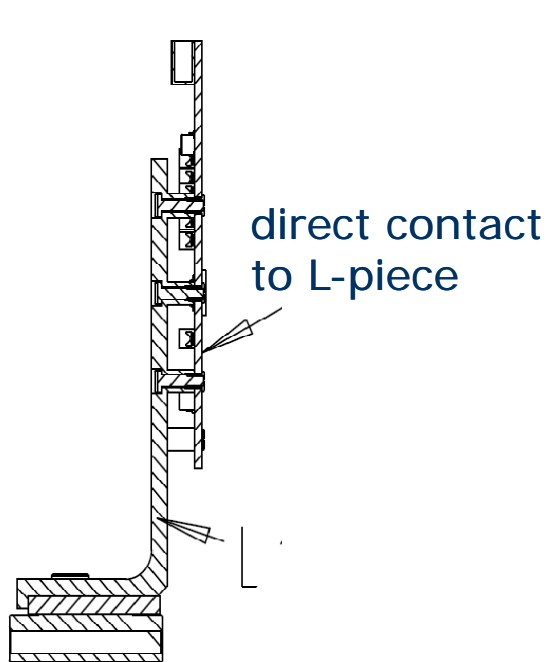
# Lessnons learned

- ❑ 3 testbeams at DESY
- ❑ Close to final mechanical setup
- ❑ Noise too high do to bad thermal connections
- ❑ Position of sensor boards on L-piece very loose and very inaccurate
- ❑ Alignment to the beam axis very clumsy
- ❑ Distances between difficult to measure



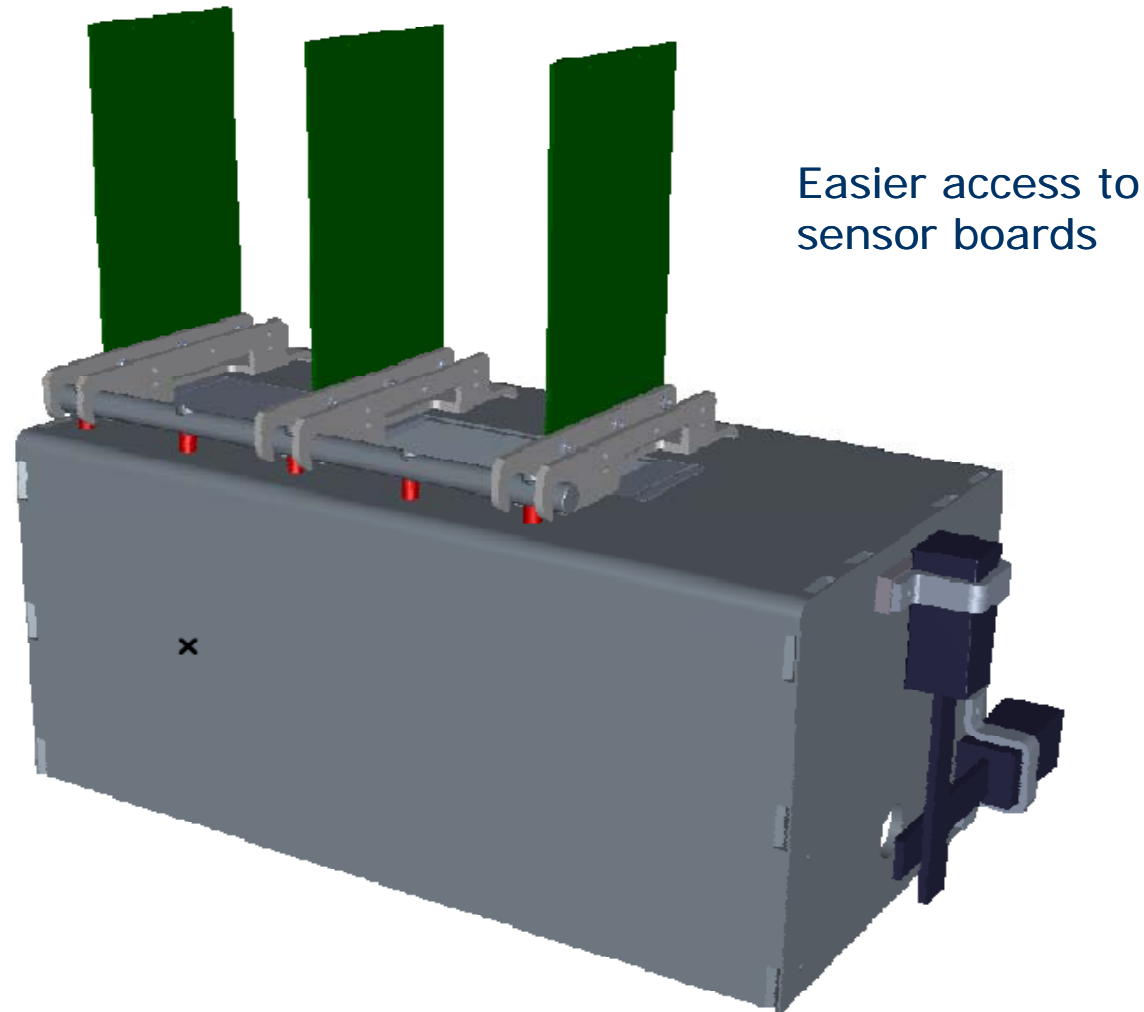
BeamCAL Setup with DUT positioner

# Design of improved L-piece



- ❑ L-piece simplified
- ❑ direct thermal contact
- ❑ first tests indicate improvement, but not yet optimal

# Improved Sensor Box



# Summary and Outlook

- ❑ First improvements of the thermal contact show small effect but we still have to work on it
- ❑ Additionally Carsten will add a simple way to allow measurement of the plane distances
- ❑ Alignment of complete setup to beam axis will be enabled
- ❑ Ready for testbeams in early summer

