Adapter - Rotator

(Presented by L. Noethe)
Location in the telescope
Wavefront sensing requirements

- Required wavefront sensors:
  - Guiding sensor
  - At most six low-order Shack-Hartmann sensors
  - One Shack-Hartmann sensors with 19 lenslets per segment subaperture
  - Phasing wavefront sensor
  - Six adaptive optics sensors

- All sensors can only access a restricted field

- Focal stations may be equipped with different sets of sensors (e.g. technical focus)
Division of the focal surface

0 - 3 arcmin : Instrument
3 – 6 arcmin : Adaptive optics
6 – 9 arcmin : Active optics
Mechanical design

- TCDD ELECTRONICS
- CABLE WRAP
- INTERFACE TO TELESCOPE STRUCTURE
- ADAPTER STRUCTURE
- ROTATOR INTERFACE FLANGE
- INSTRUMENT
Instrument design volume includes the central 3 arc minutes cylinder of the adapter to increase the back focal distance.