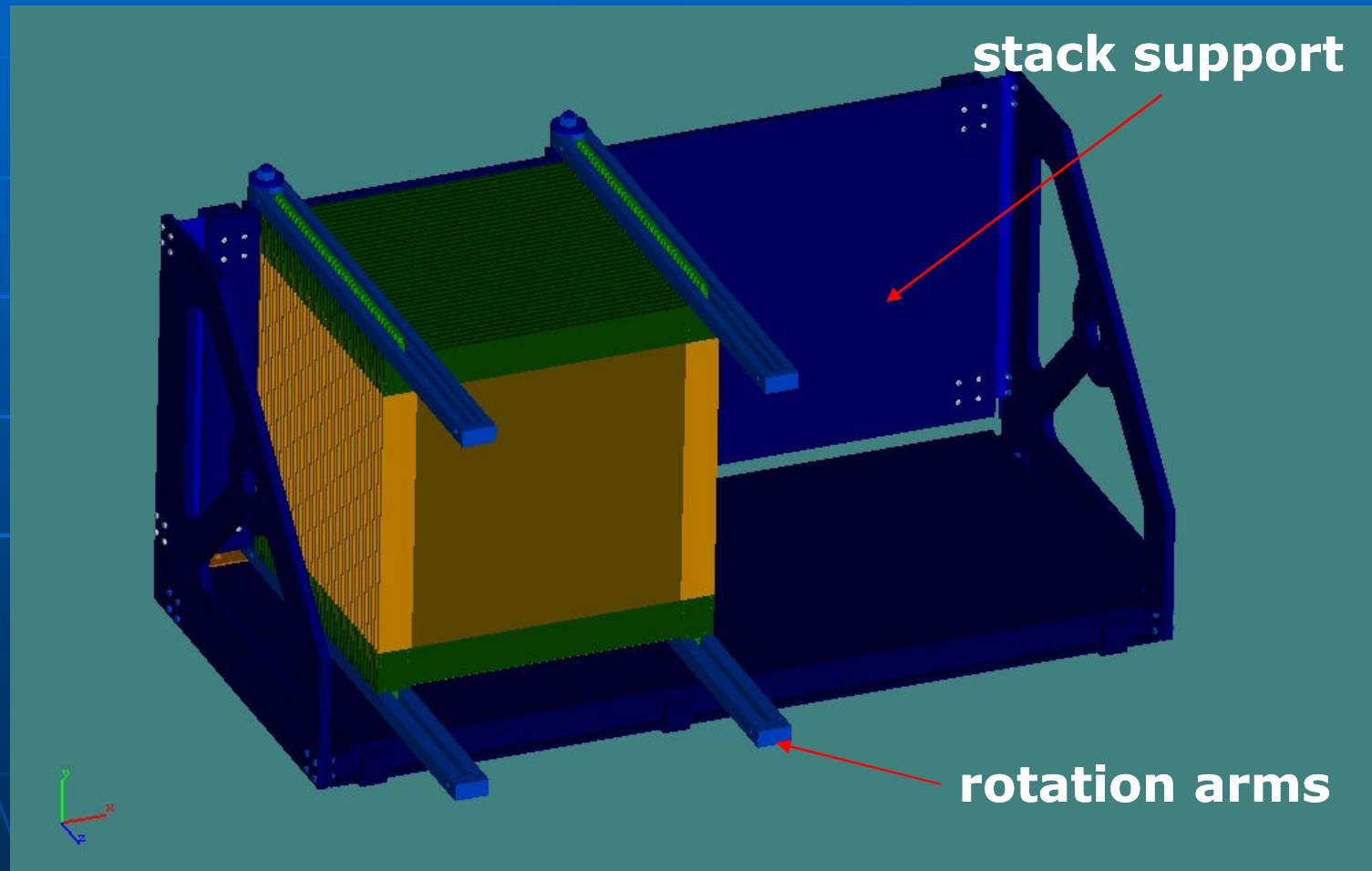


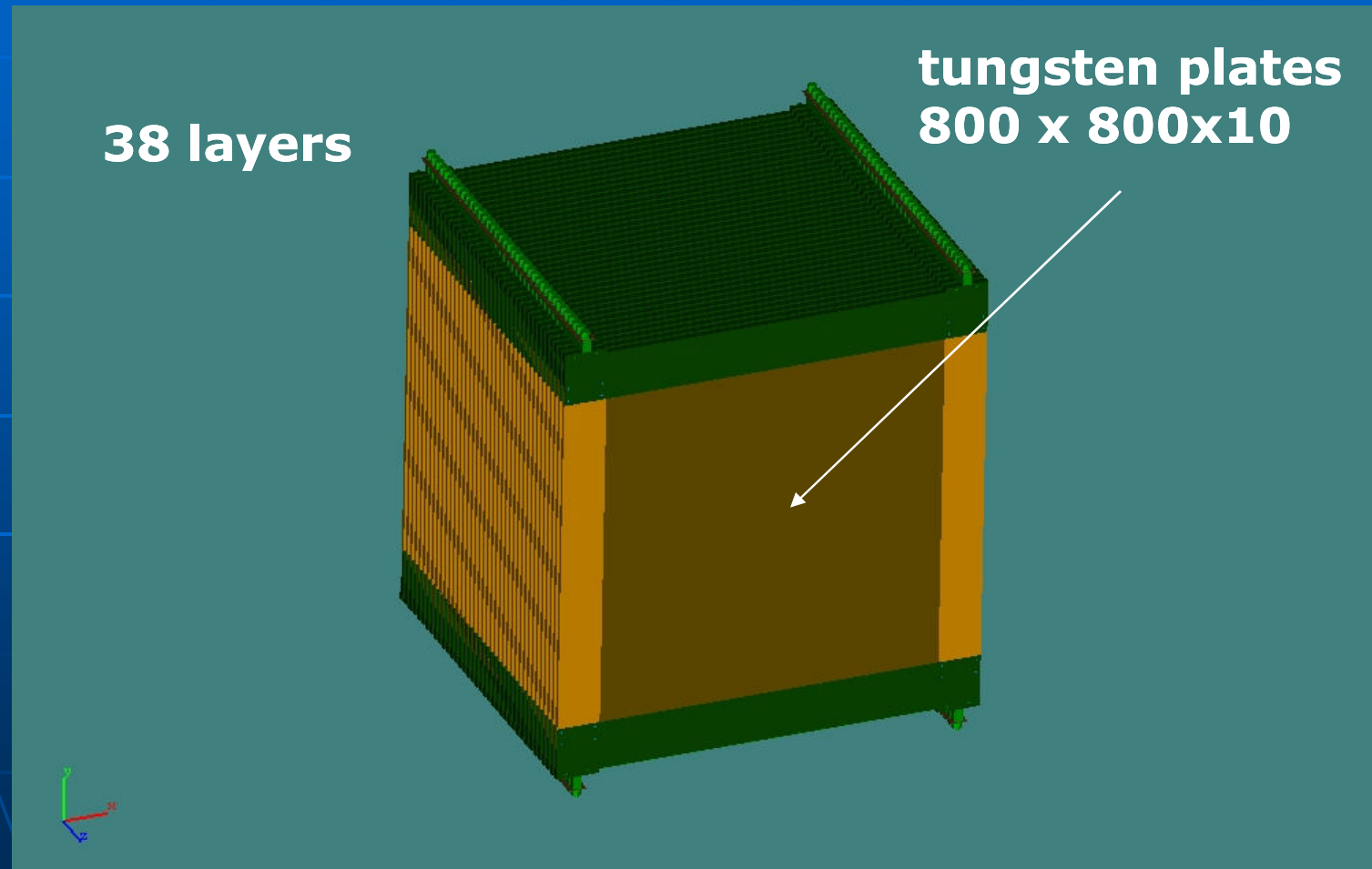
AHCAL test installation with tungsten plates

CLIK/AHCAL Meeting
@DESY 02.03.2010

tungsten absorber stack with stack support for the movable table



tungsten absorber stack



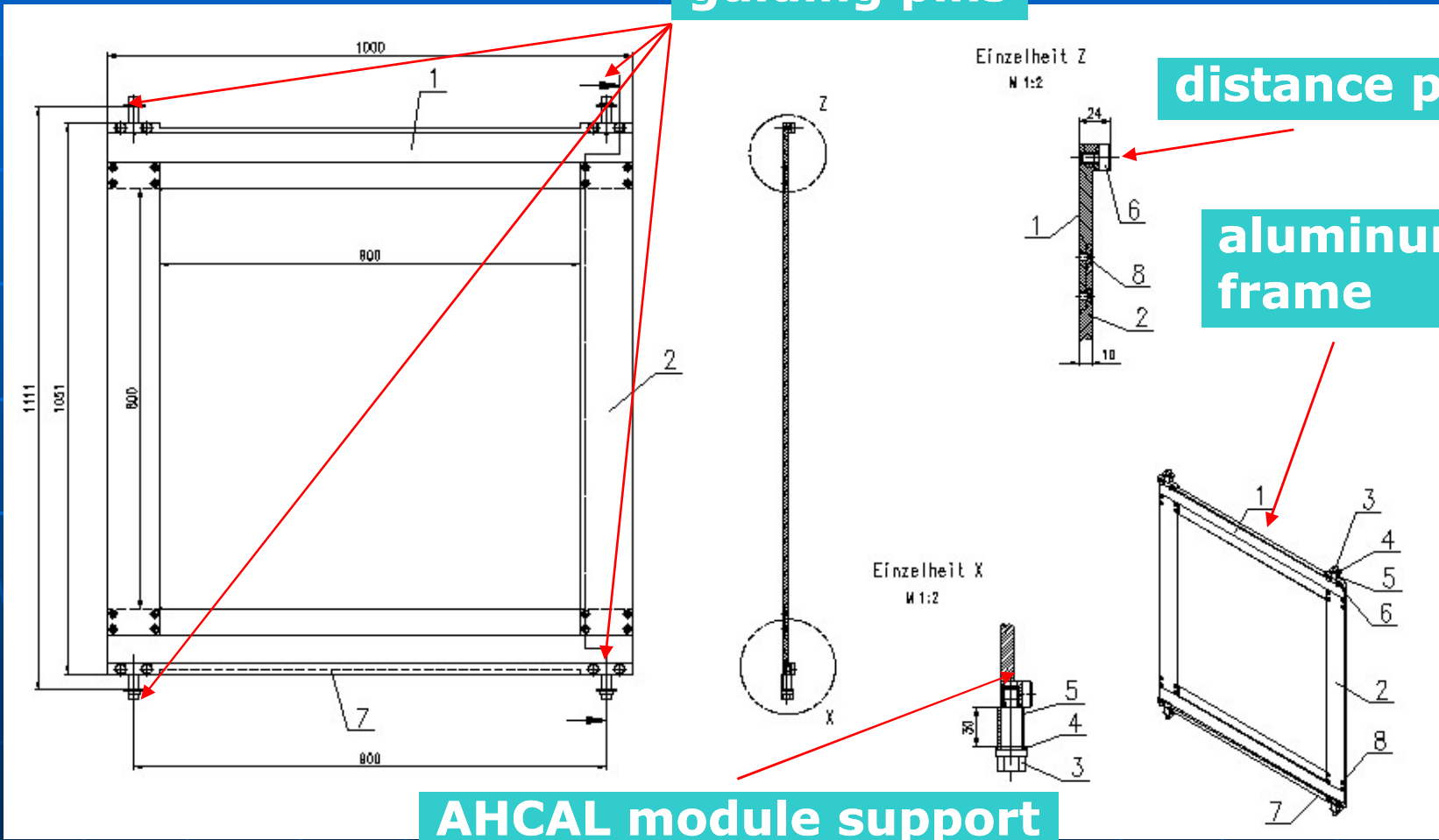
tungsten absorber layer

guiding pins

distance pin

aluminum frame

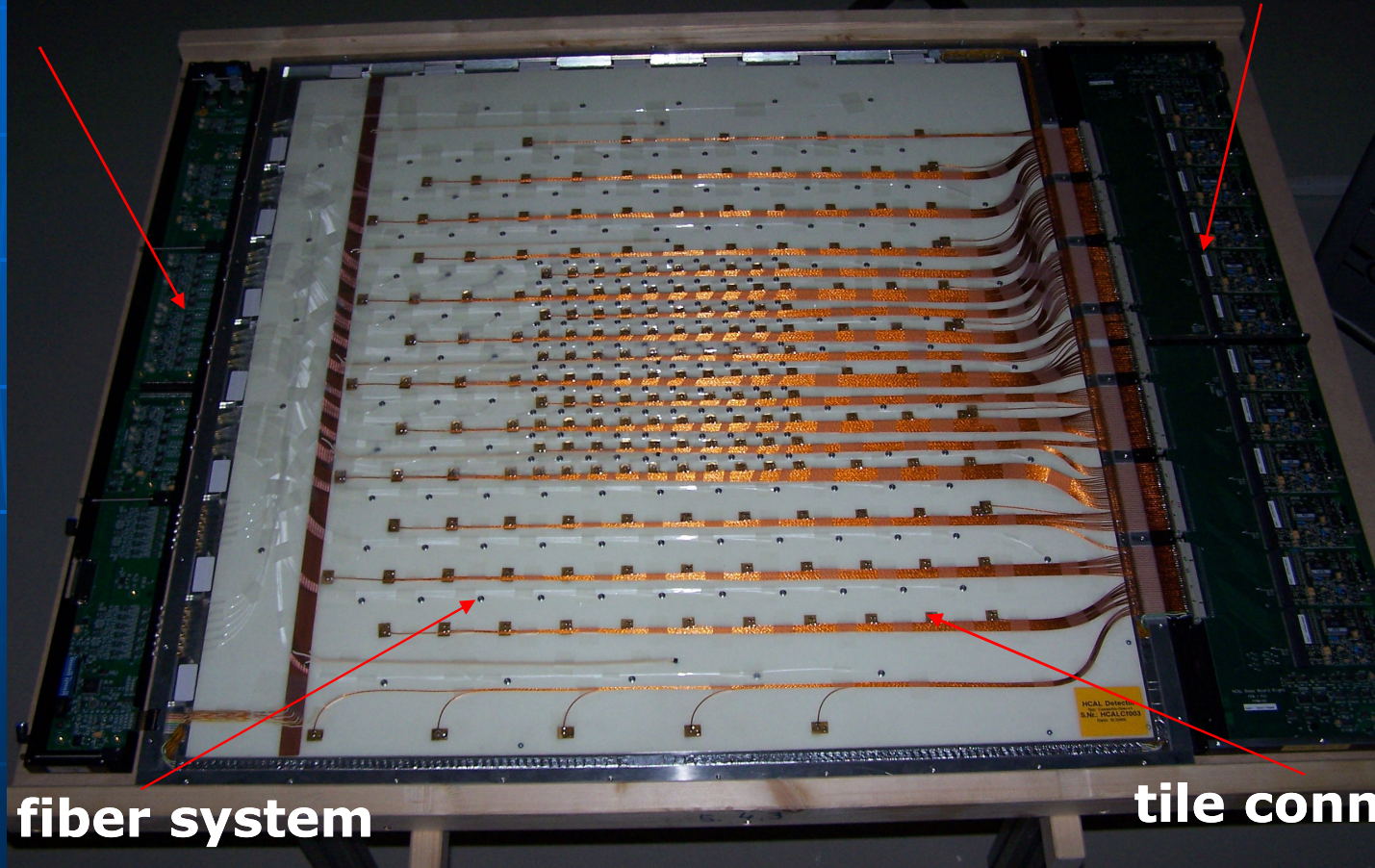
AHCAL module support



AHCAL module

CMB electronics

VFE electronics

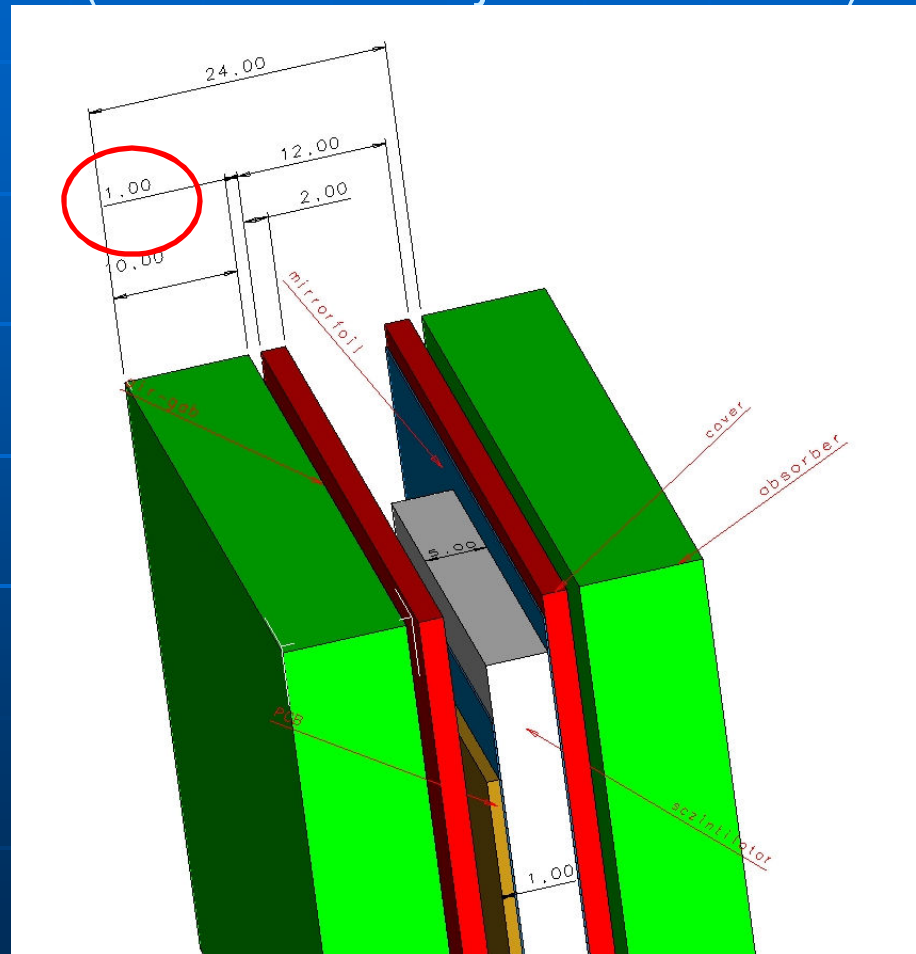


light fiber system

tile connection

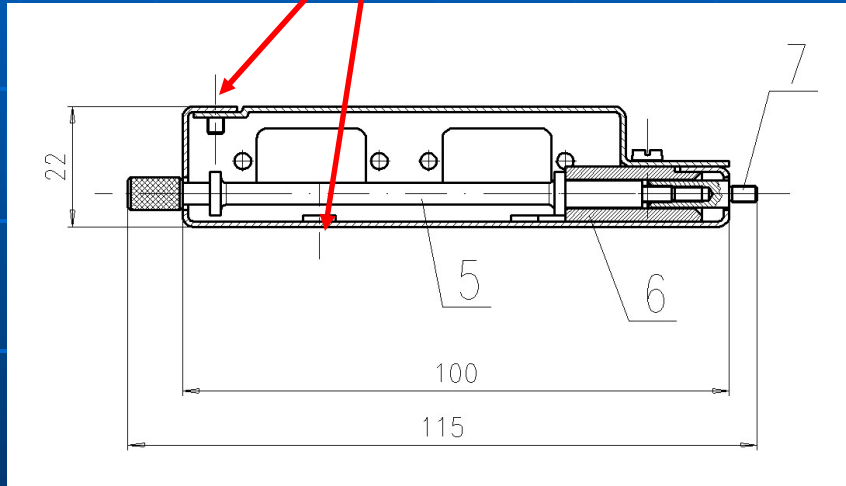
Layer structure with tungsten absorber plates

(with sensitive layer modification)

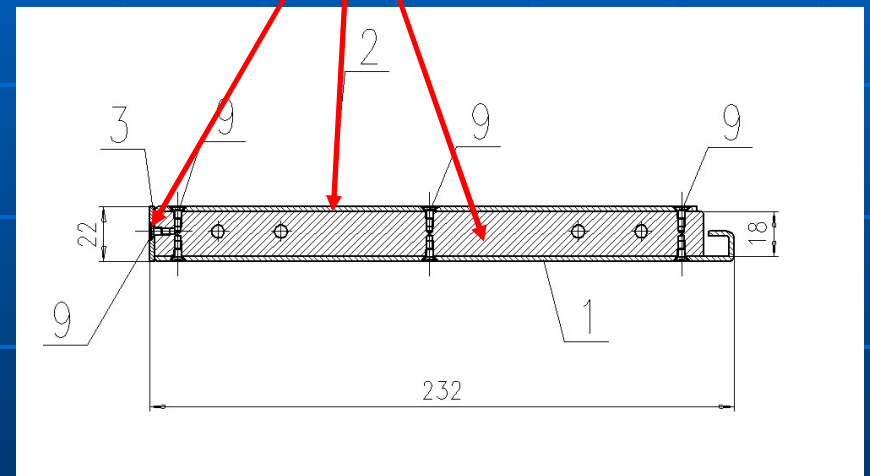


Housing modification

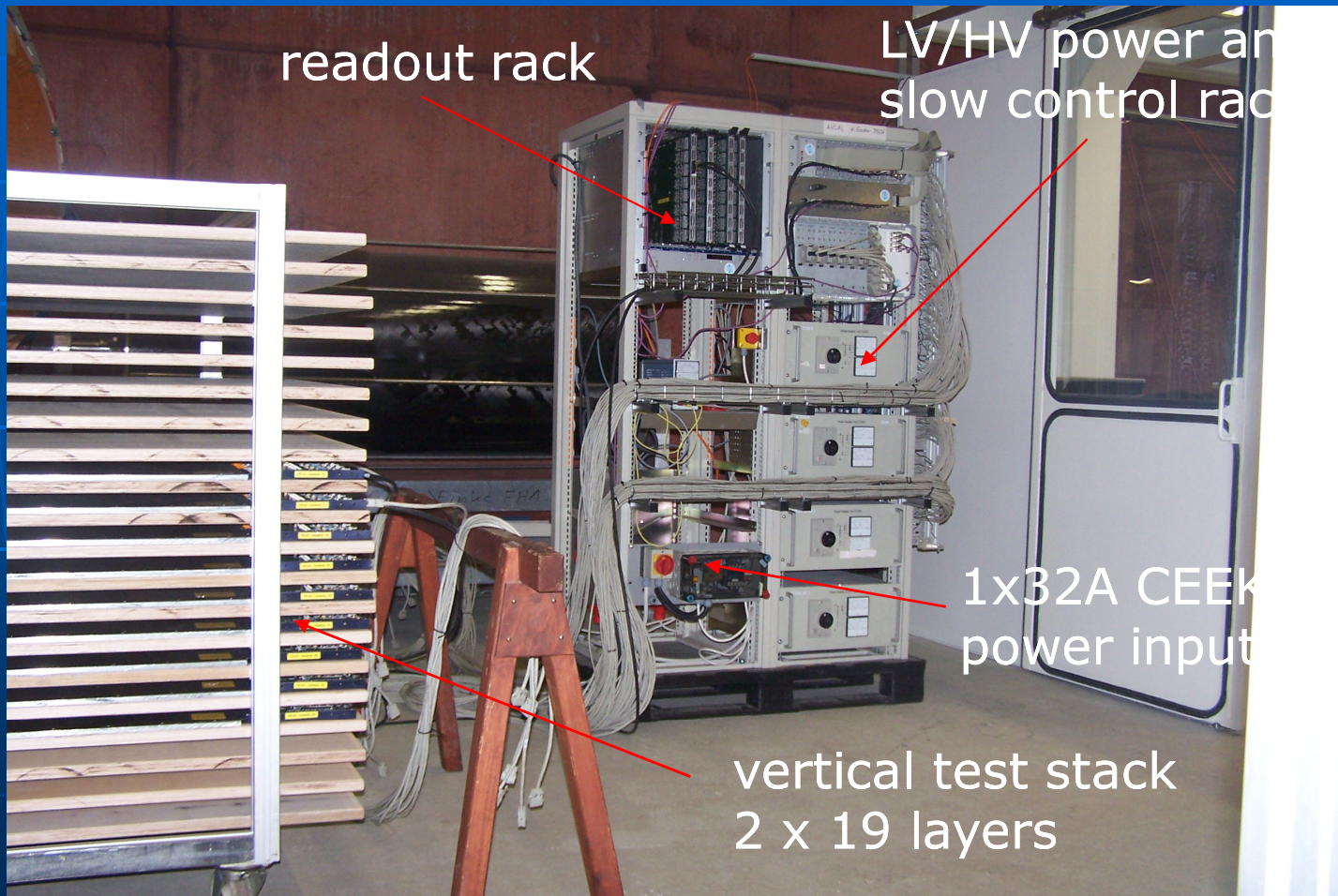
CMB housing change screw type



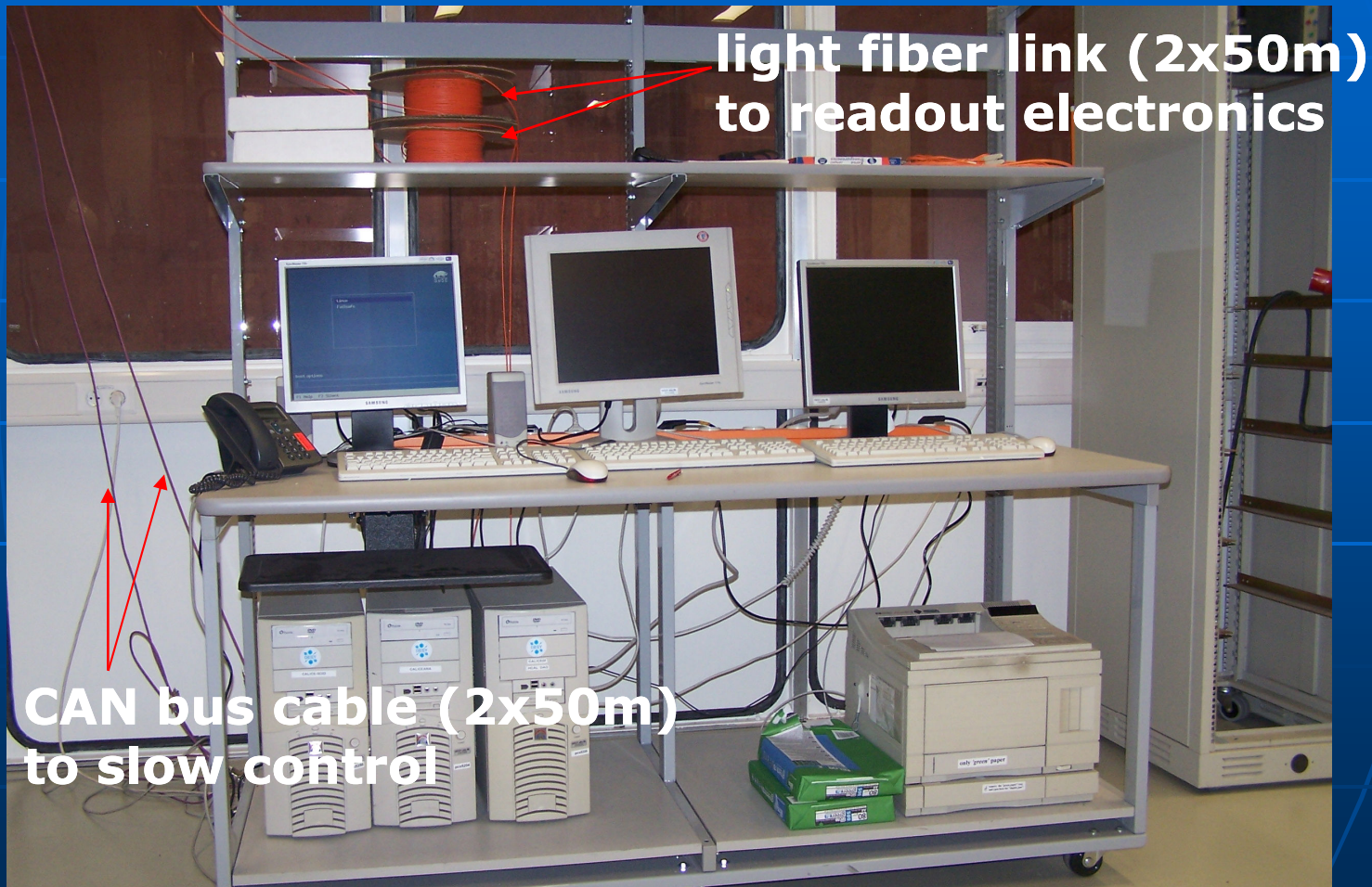
VFE housing machining of parts



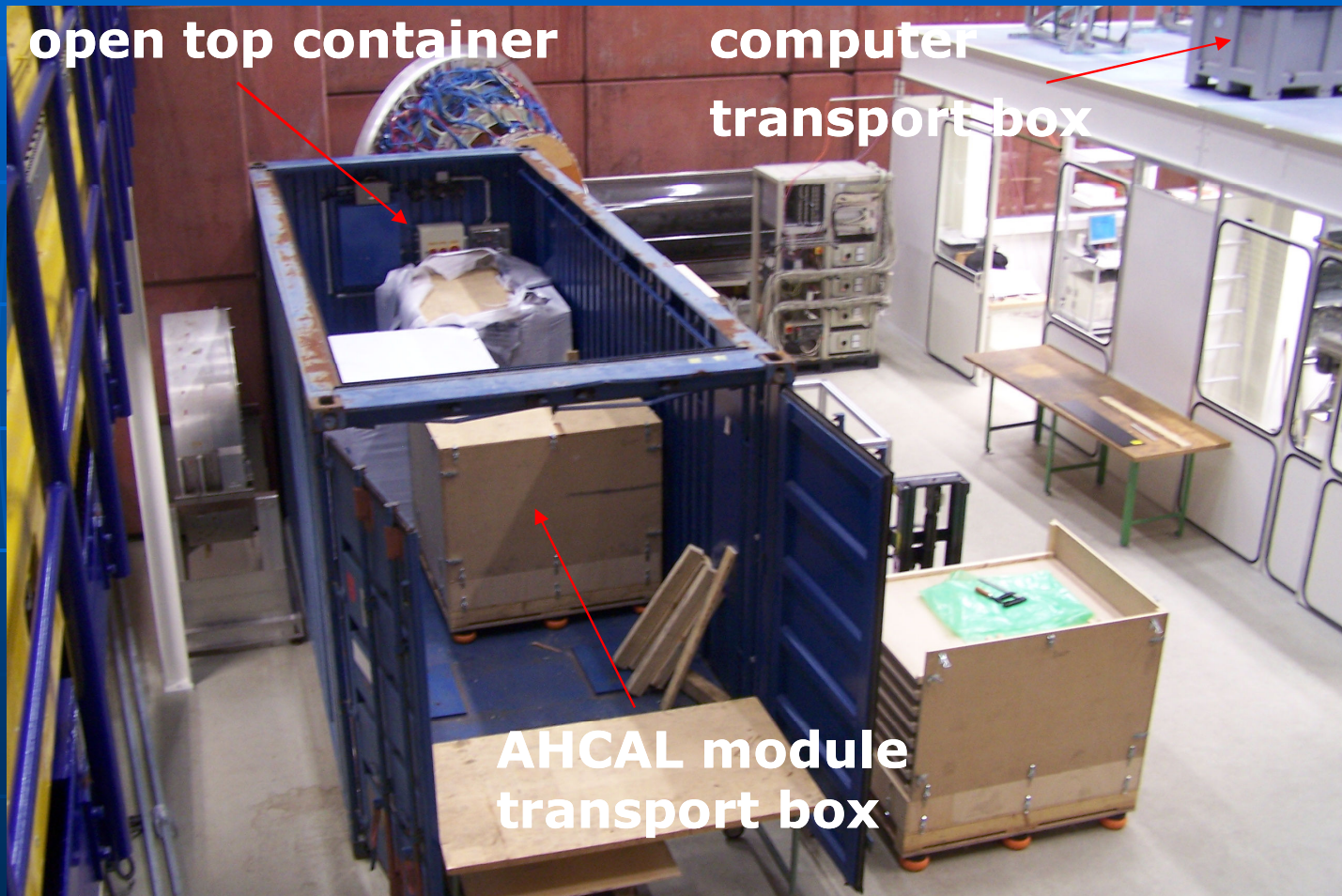
AHCAL vertical test setup



AHCAL DAQ system



Transport to CERN



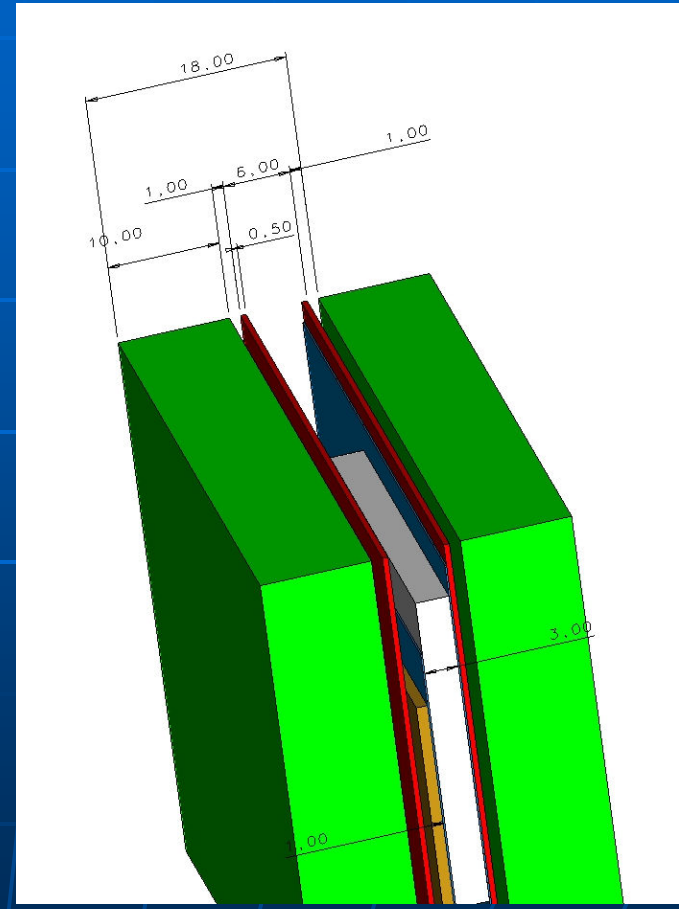
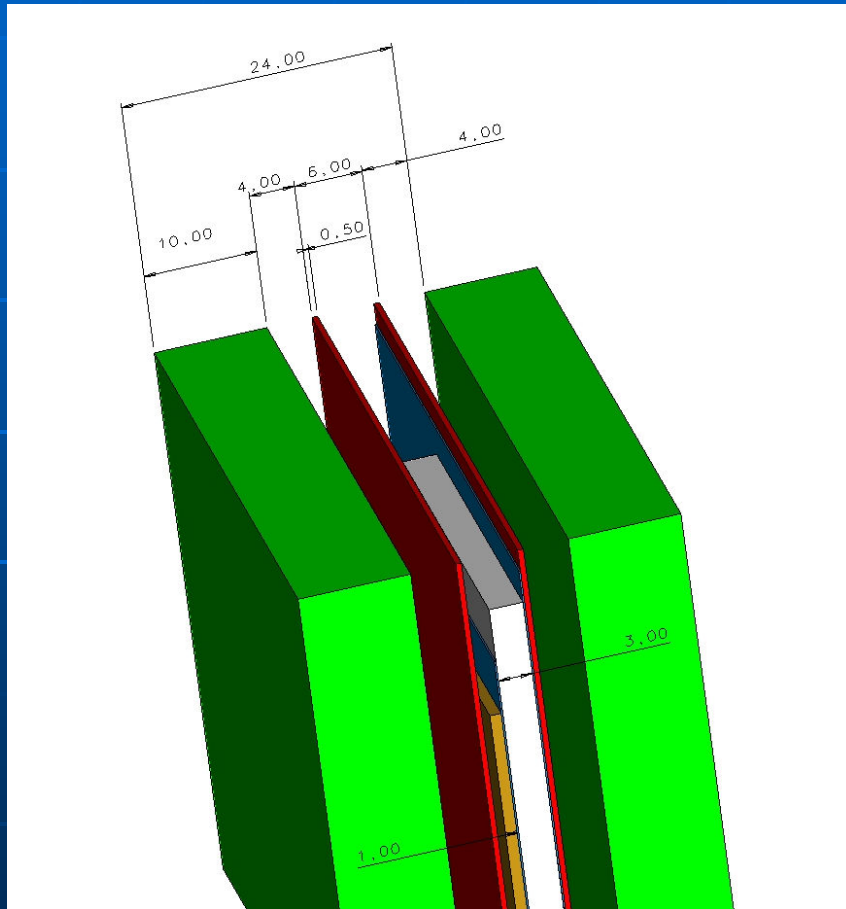
schedule

- tungsten absorber layer drawings *ready*
- housing modification drawings *ready*
- vertical test setup drawings *ready*
- installation of LV/HV power and slow control rack *ready*
- installation of readout rack *ready*
- installation of DAQ system *ready*
- installation of vertical test setup *ends KW12.*
- modification of VFE and CMB housings *ends KW12.*
- test of 38 AHCAL layers with full system *starts KW13.*

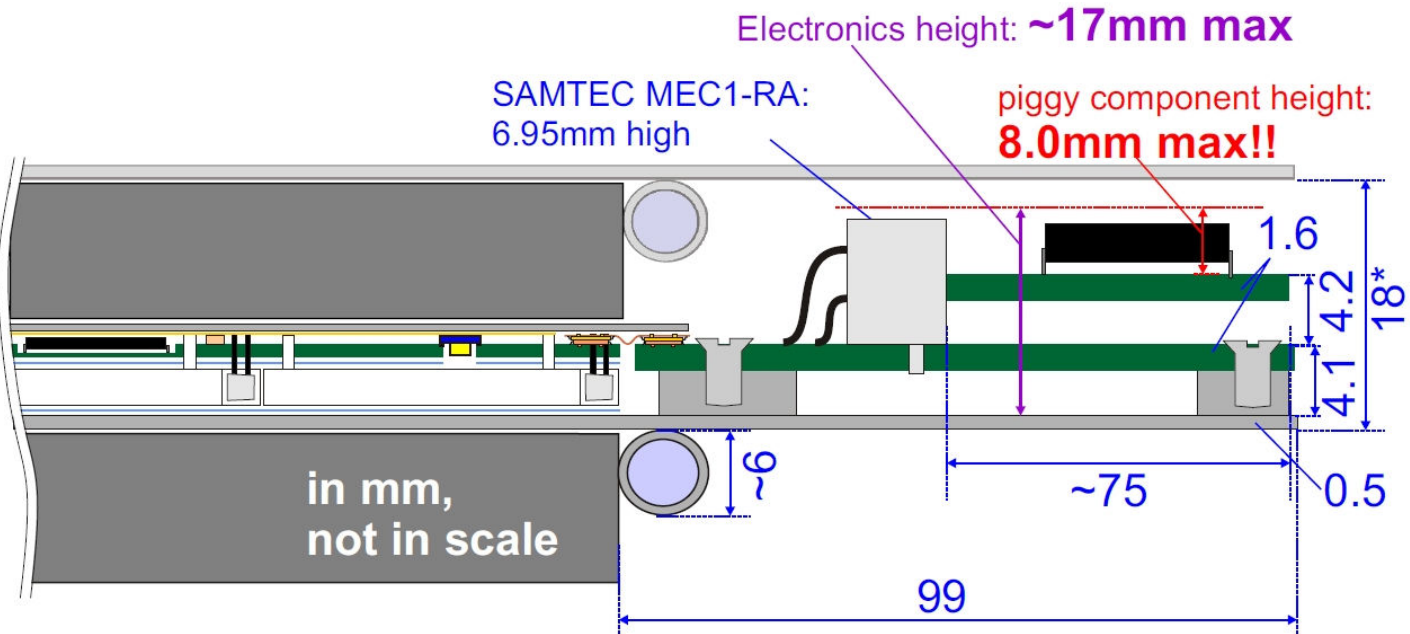
Summary

- DAQ is running
- AHCAL module housing modification on track
- Transport to CERN known
- Tungsten stack standalone support must be designed
- Must get an test beam setup overview

Upgrade with second generation detector layers



new front end electronics



*Tungsten Option (26mm steel option)

picture from Mathias Reinecke