



Universität Hamburg

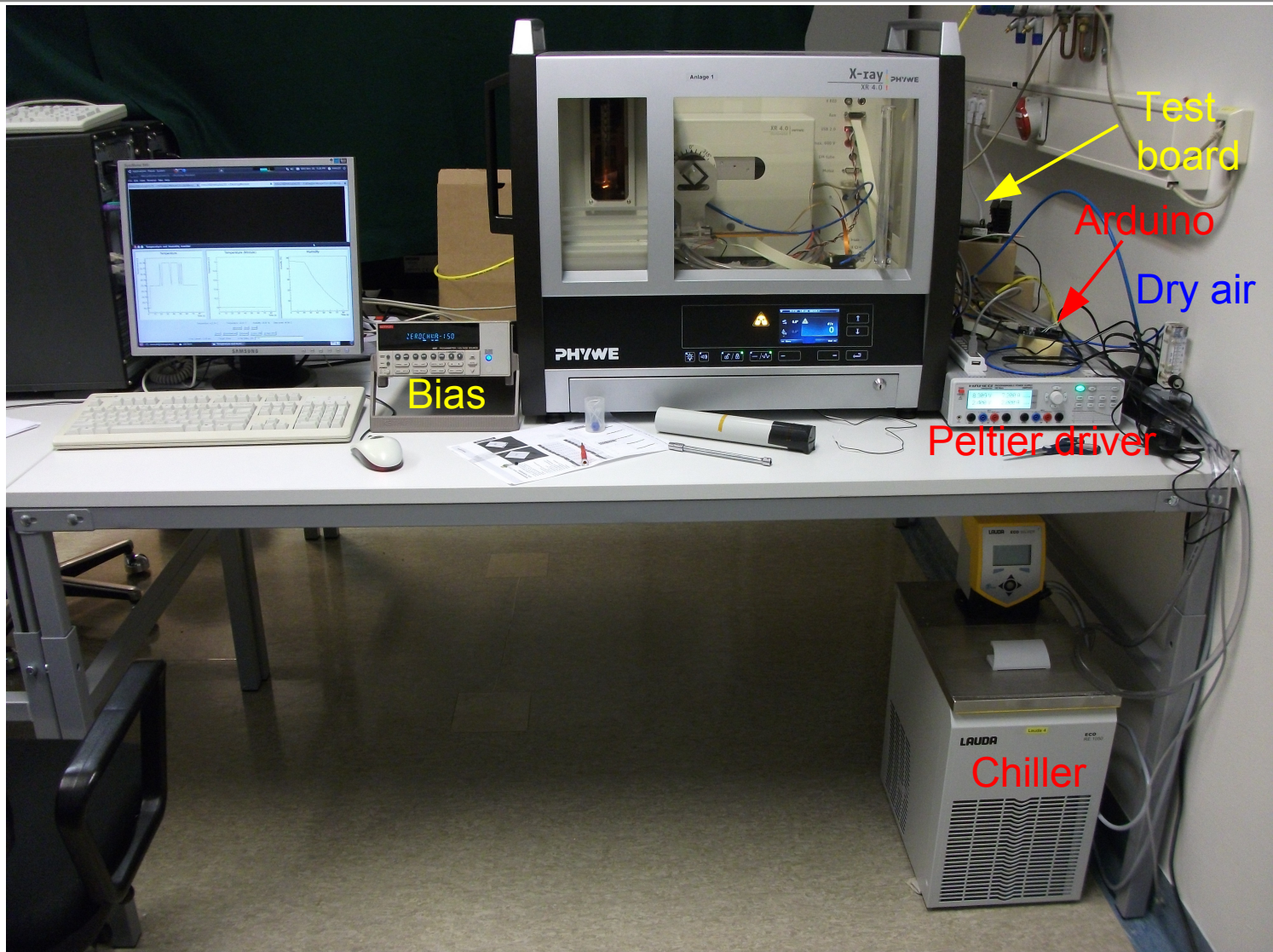
DER FORSCHUNG | DER LEHRE | DER BILDUNG



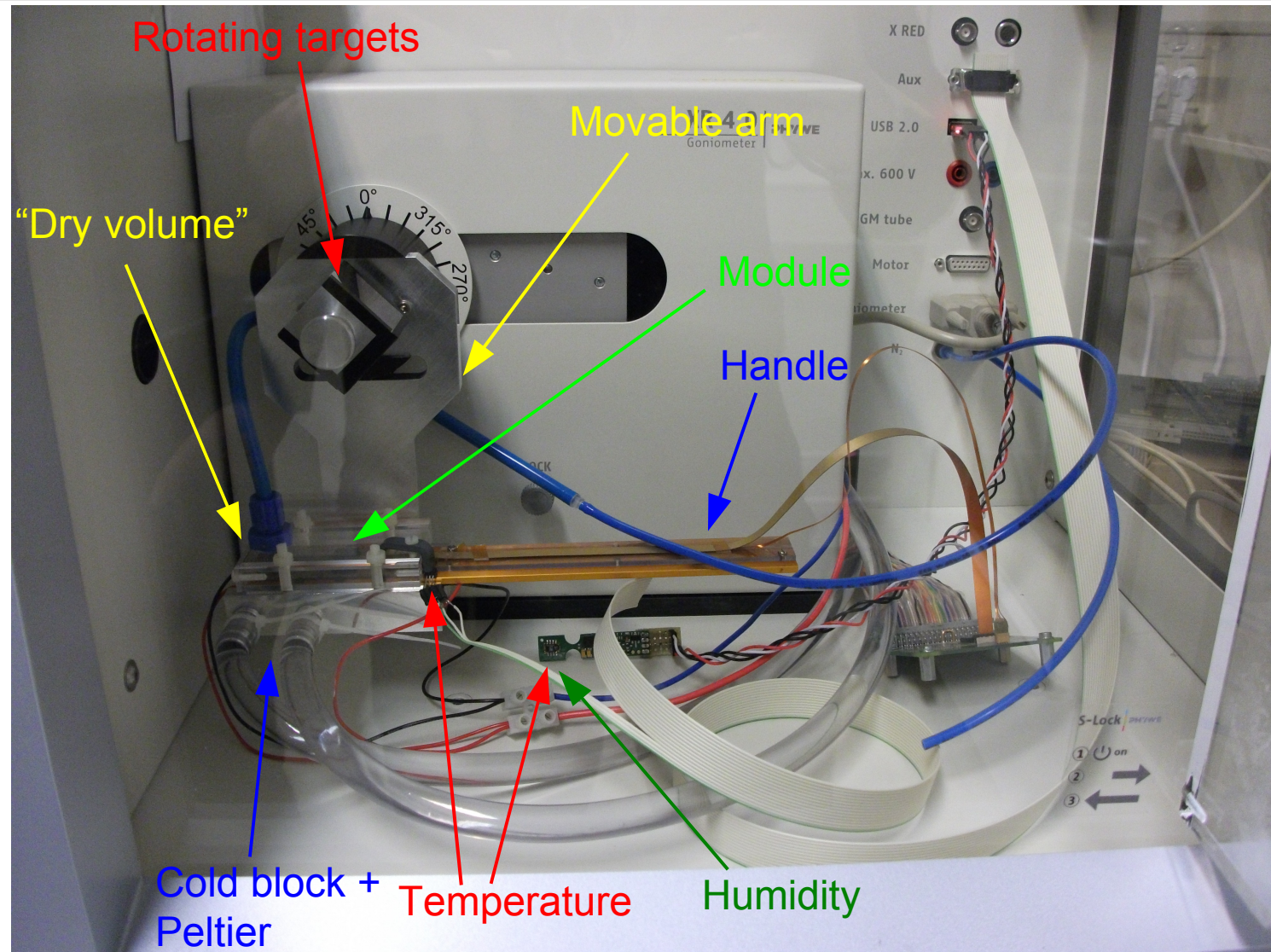
CMS pixel group UHH Status Report 30.11.2012

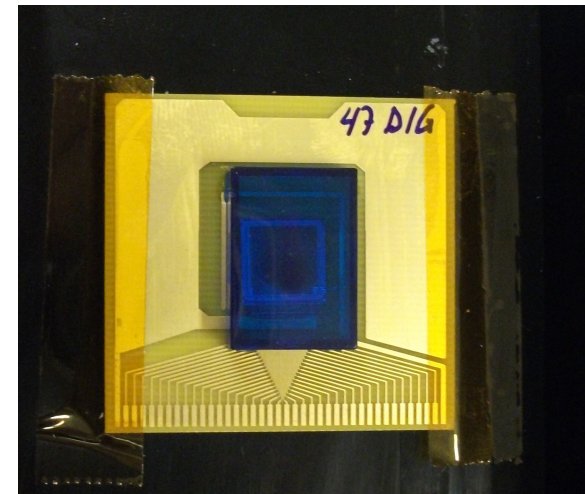
Matteo Centis Vignali, Tobias Lapsien, Jennifer Sibille

X-ray setup I



X-ray setup II





- Received 2 single chip modules
- Digital ROC
- A way to fit it in the X-ray box must be found

Outlook

Mechanics, setup:

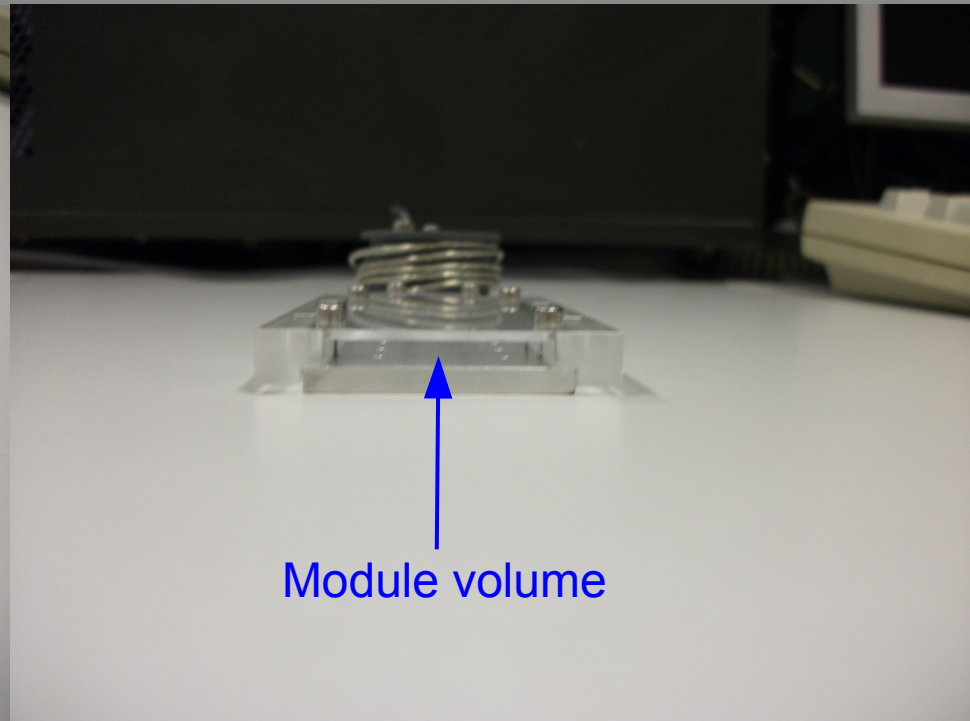
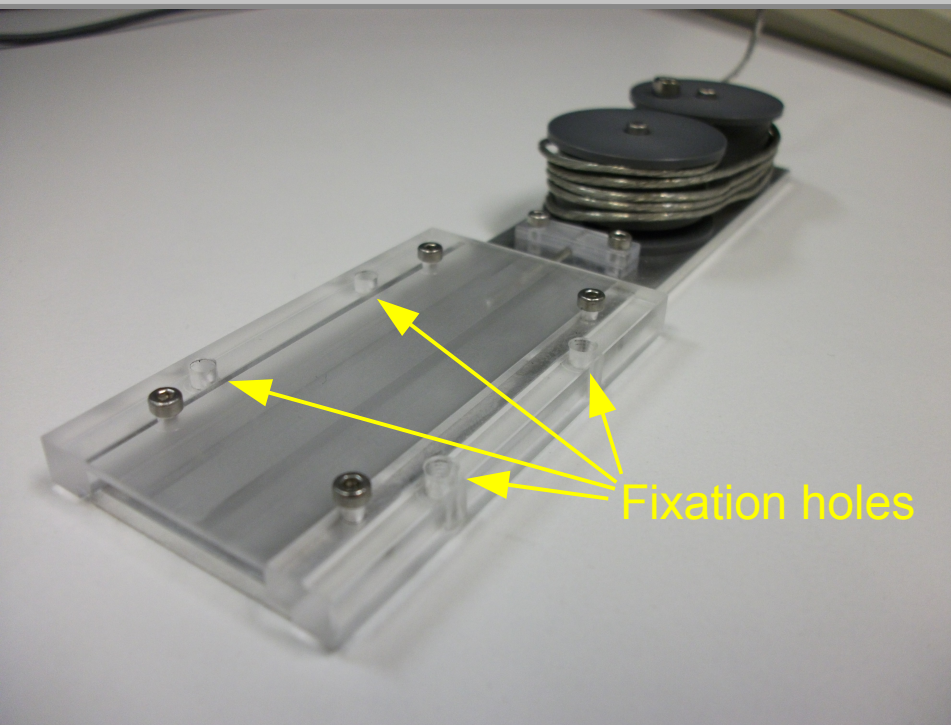
- Temperature control established
- Issues due to humidity are still present
- A new cold block is needed for the final module handle
- An arrangement must be found for single chip modules

Calibration:

- Difficulties in the operation of the module
(hard to find good operating parameters)
- Software under study to understand the setting procedure

Problem under investigation: the sensor drives a lot of current

Module handle



Prototipe for the module handle

- Module fixation and protection
- Fit X-ray box
- Cable fixation
- Produced by KIT

New cold block
is needed to fit
this handle

