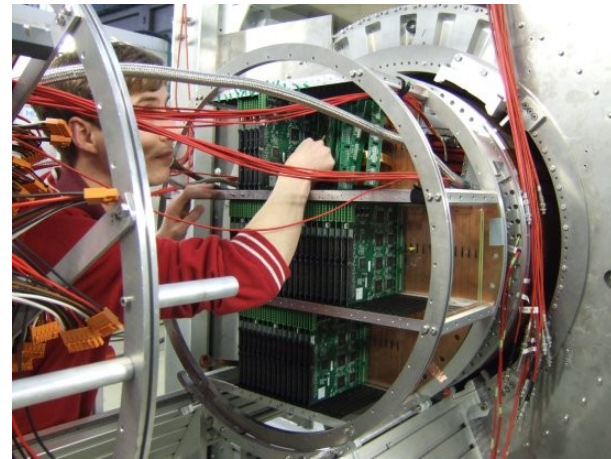
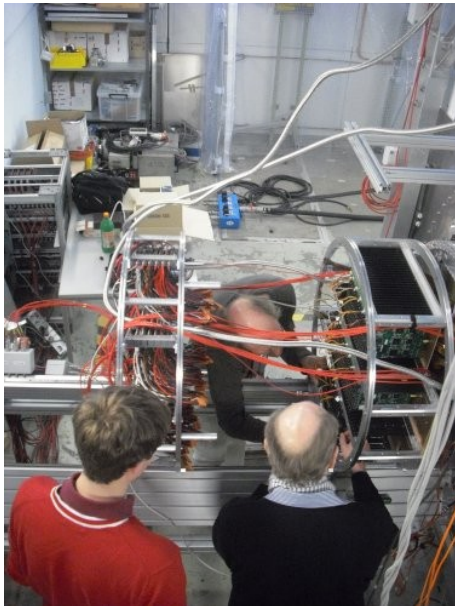


Testbeam status update

Assembly and first measurements

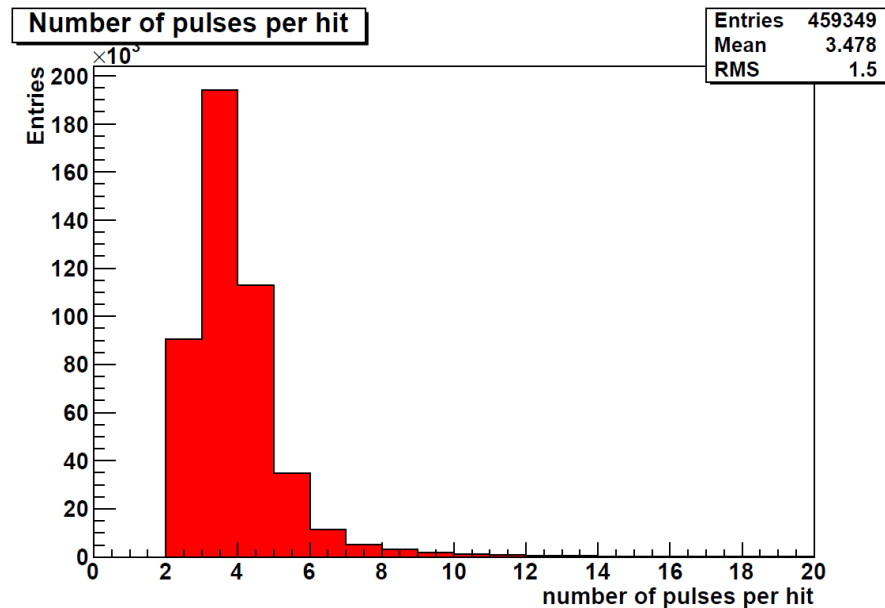
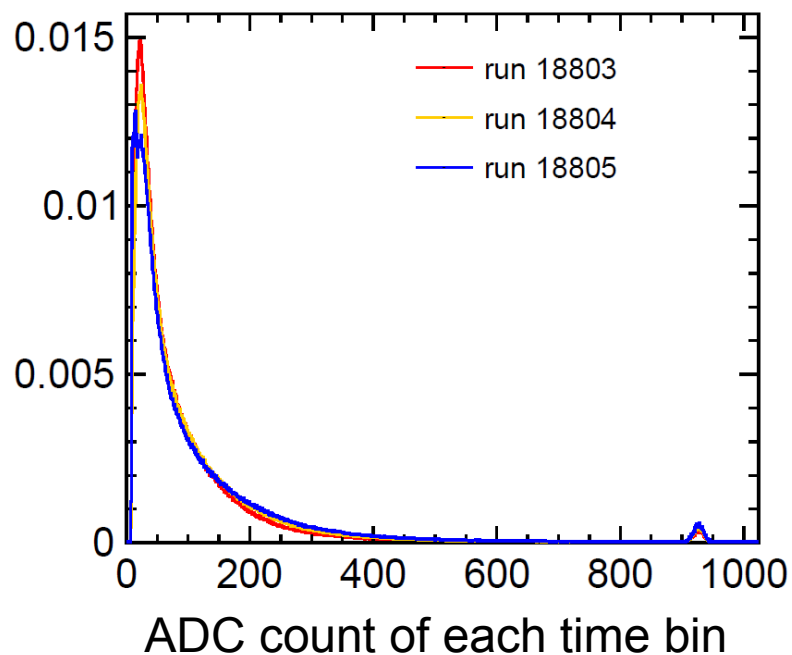
- Assembly of the modules in the Lab
- Successful HV test of the Setup even to a drift field of 240 V/cm ($V_{\text{cath}} = 17000 \text{ kV}$)
- Mo till We: assembly and first tests of the electronics
- Thursday: start with the first runs to determine the working point



Determination of the working point

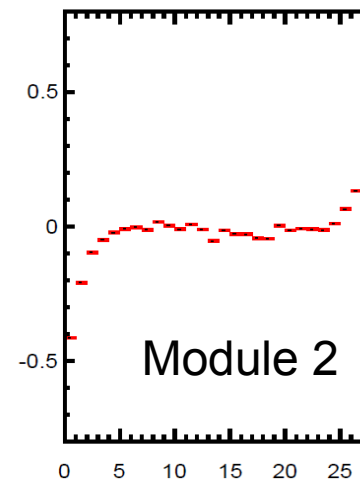
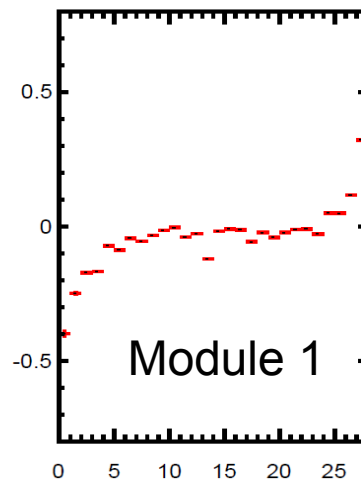
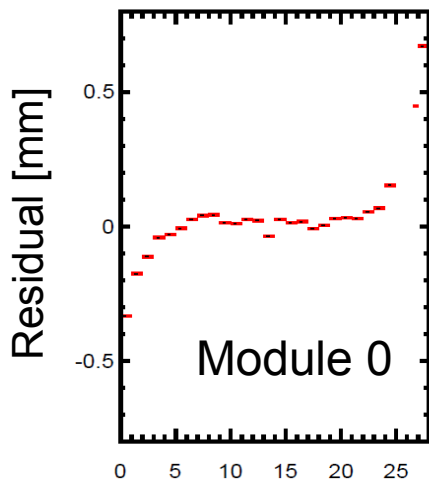
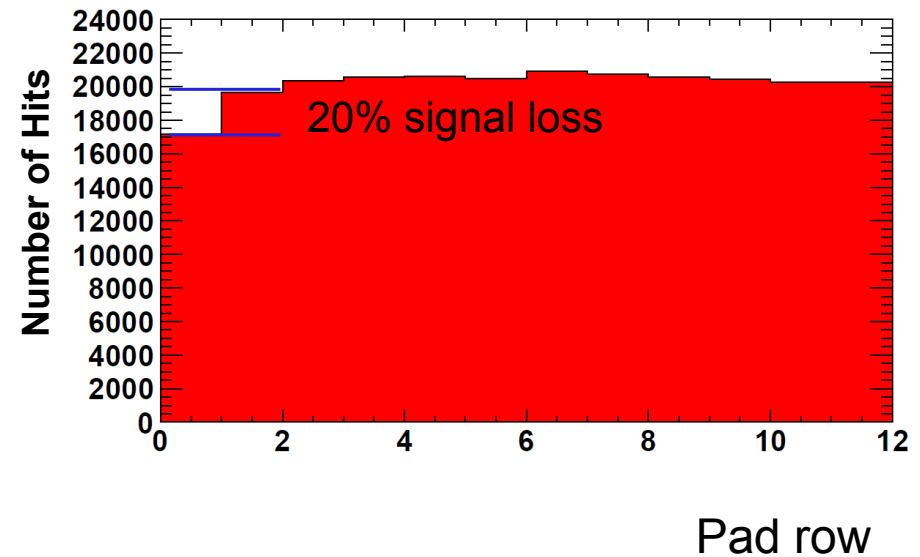
Determined working point:

magnetic field:	0 T	1 T
Top GEM:	260 V	255 V
Middle GEM:	250 V	250 V
Bottom GEM:	250 V	250 V
Transfer fields:	1500 V/cm	1500 V/cm
Induction field:	3000 V/cm	3000 V/cm
Guard ring:	2310 V	2305 V (50 V above shields)

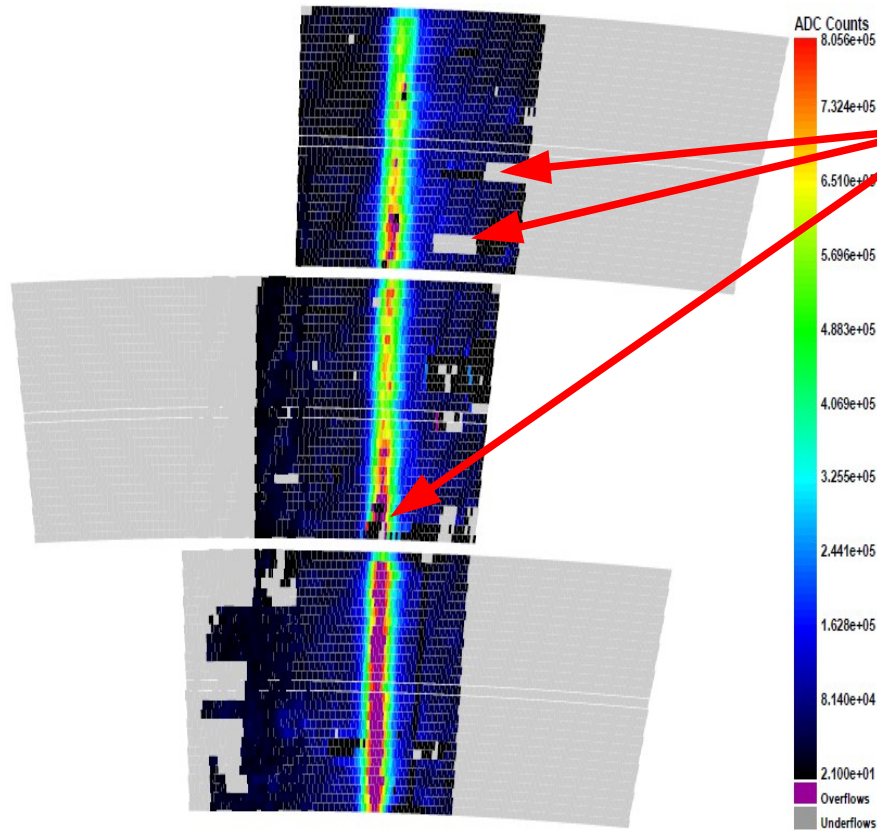


First measurement results: Guard Ring

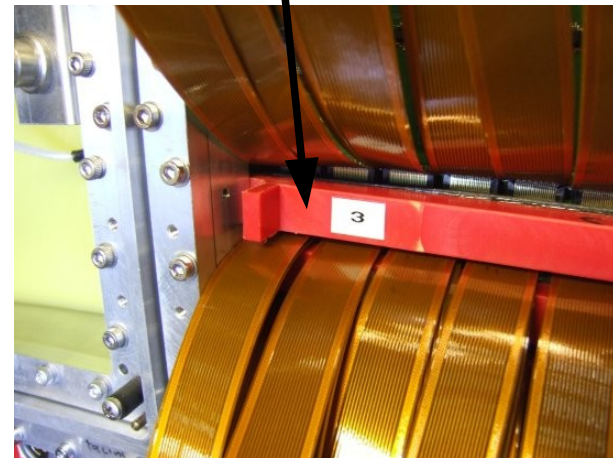
- Guard ring increases efficiency at the border (50% loss without the guard ring)
- S- shapes in the residuals still clearly visible
- Central line of the residuals fairly straight (good alignment)



Problems



- Discovered unconnected channels
- Reason: Unplugged cables at the board and one protection card disconnected
- Mounting structure doesn't create enough force



Current Testbeam Status

- > Monday: Decision to disassemble the electronics and modify the bars
- > A modification of the bars was performed and the reassembling is ongoing
- > We hope to finish it till the end of the week and start to take new data

