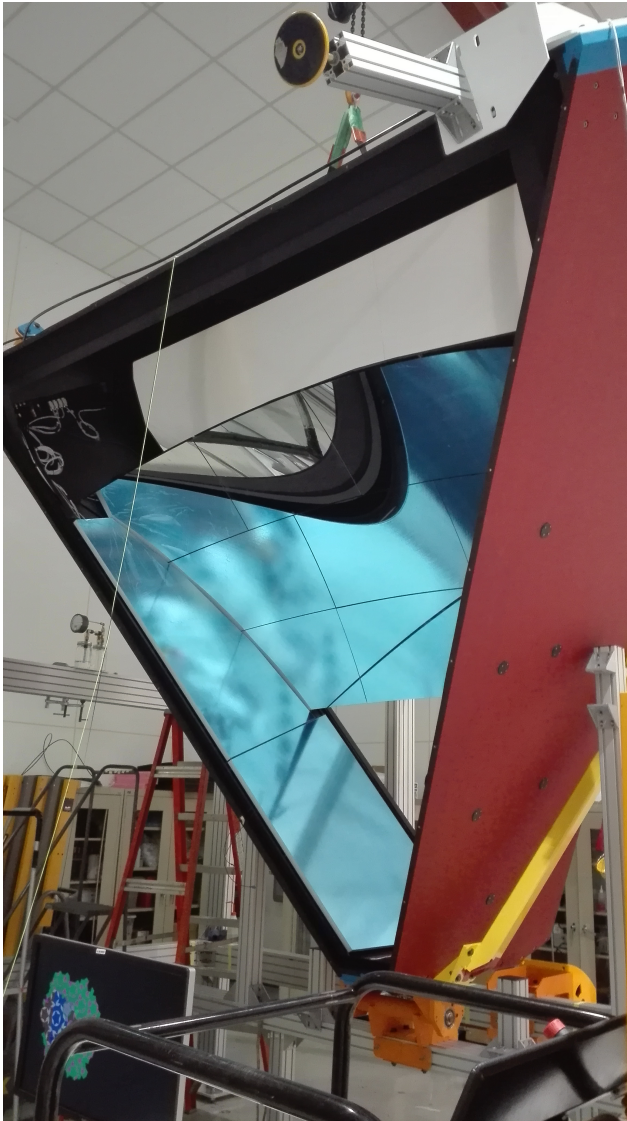


CLAS12 RICH

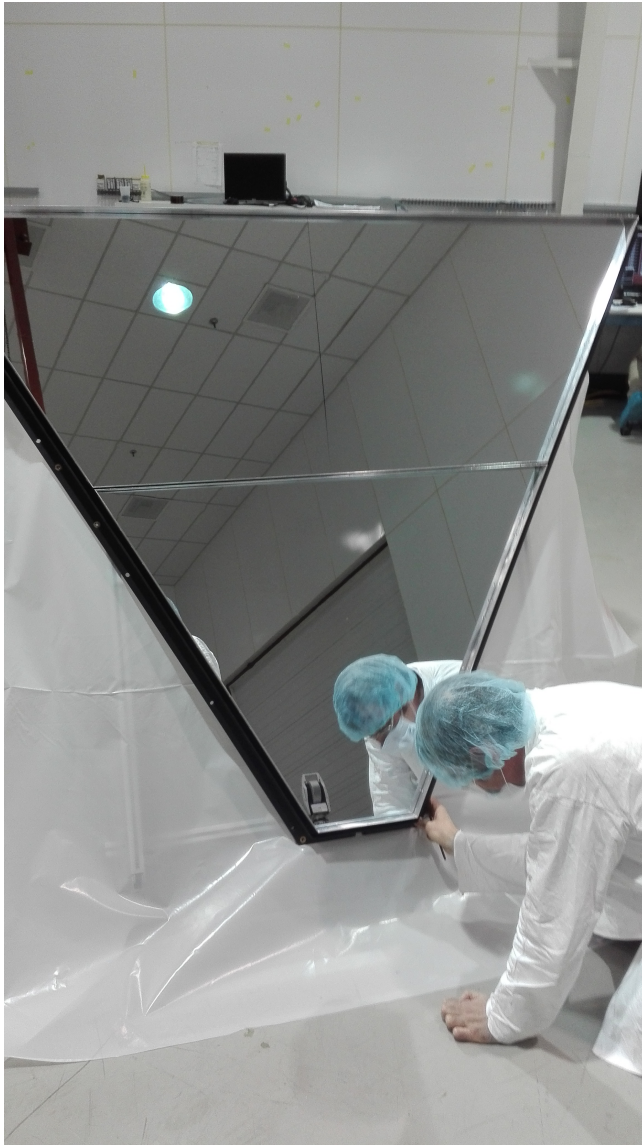


At the beginning of the summer we got a last-minute issue with both mirror producers

Spherical mirrors:
chemical residuals not visible before coating

Planar mirrors:
shortage of the glass-skin material

This is solved now. The mirror were installed last week, about 2 months behind schedule.



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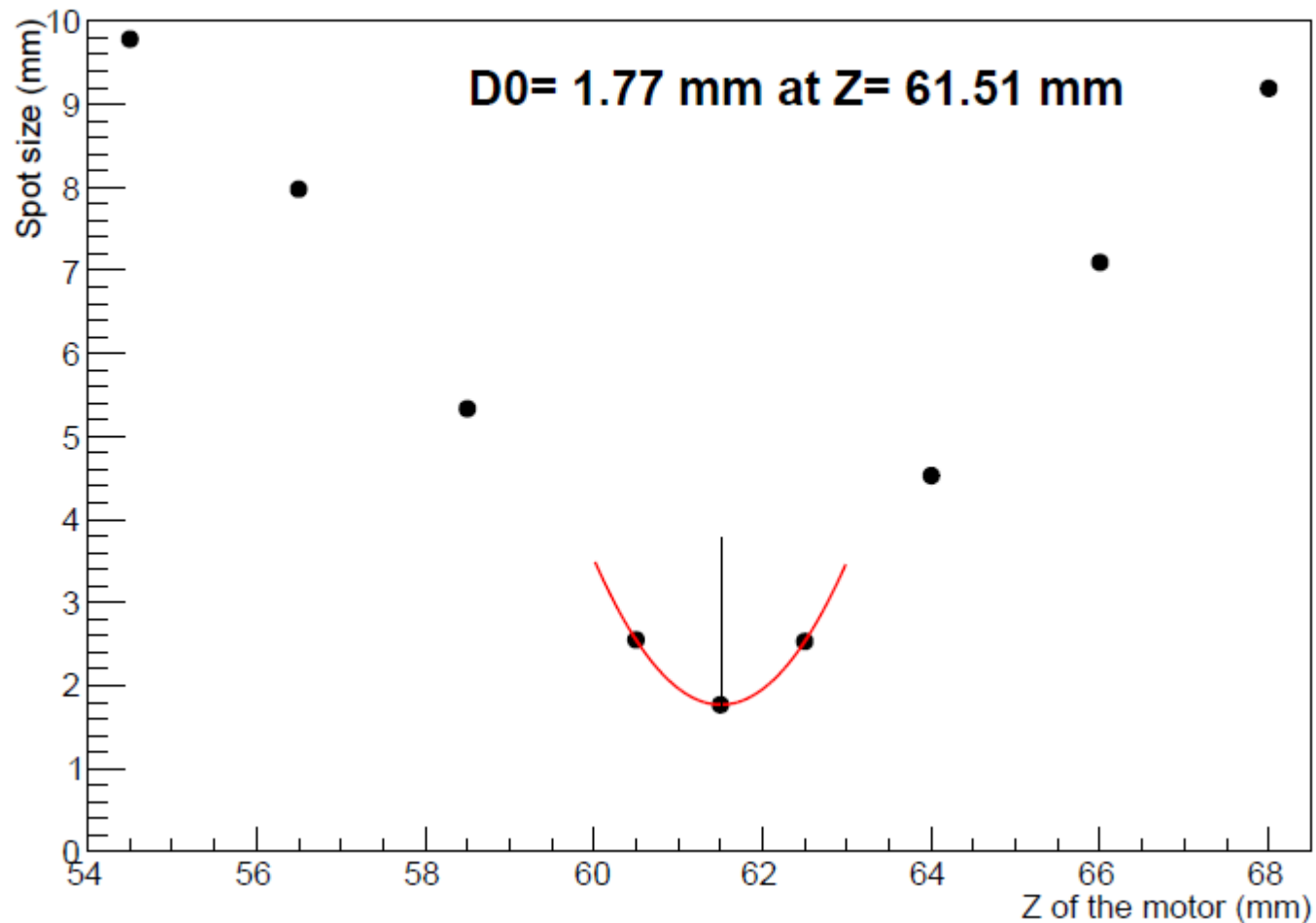
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Mirror Alignment

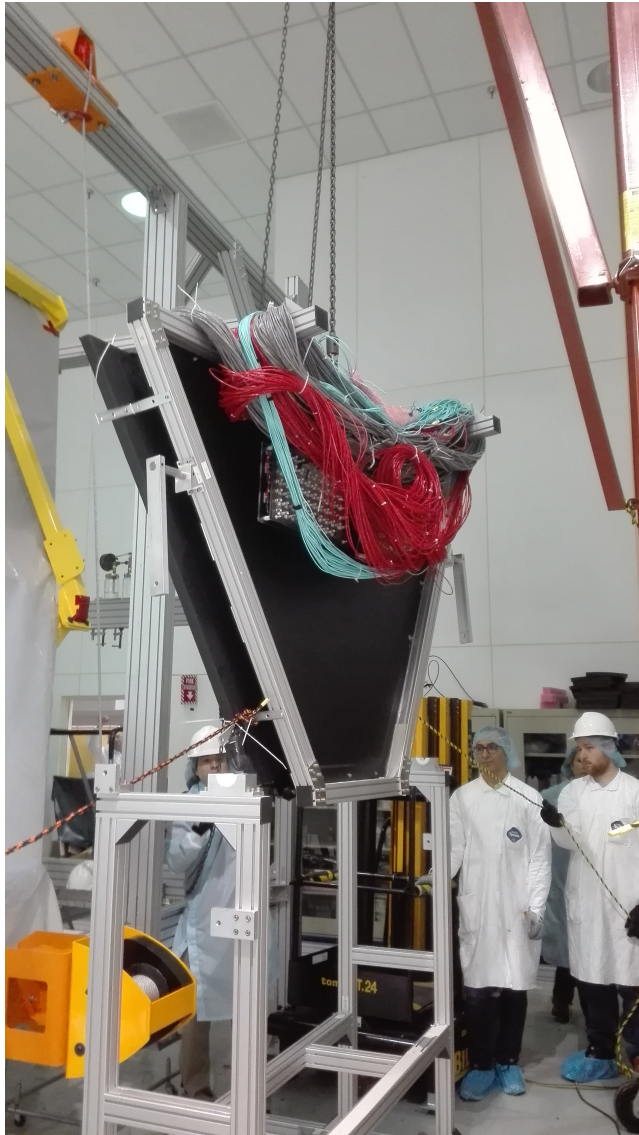


Mirror Alignment

Point-like source image



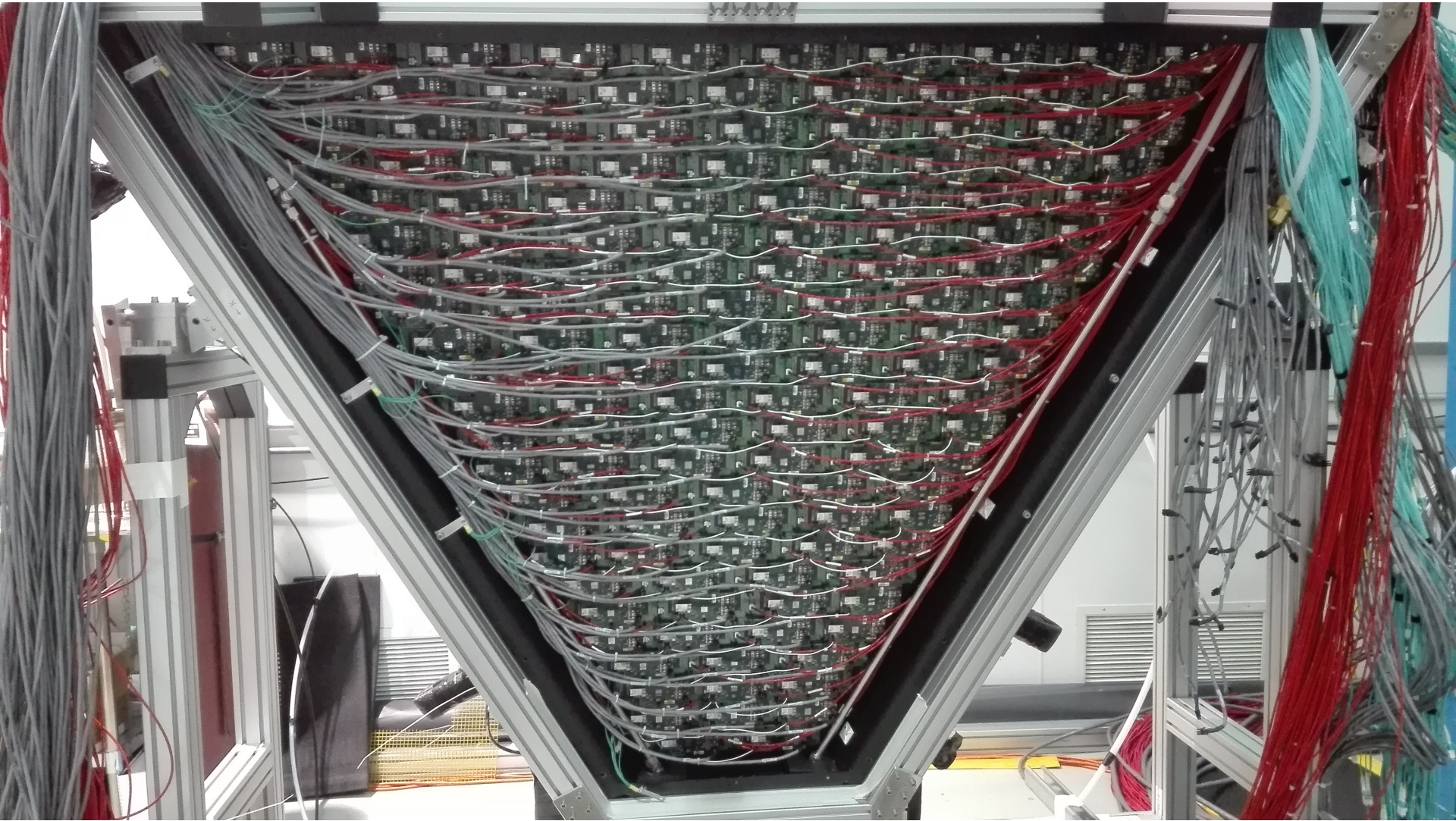
Electronic Panel Installation



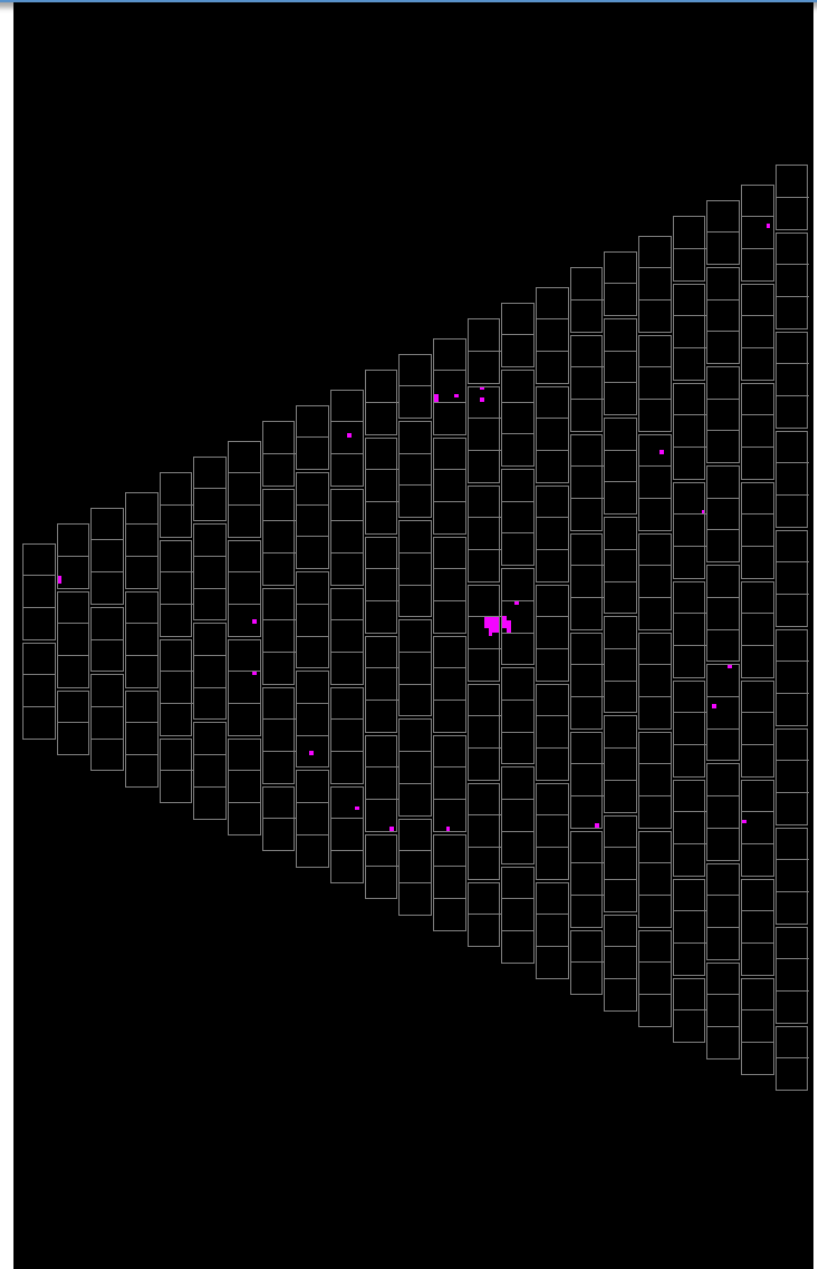
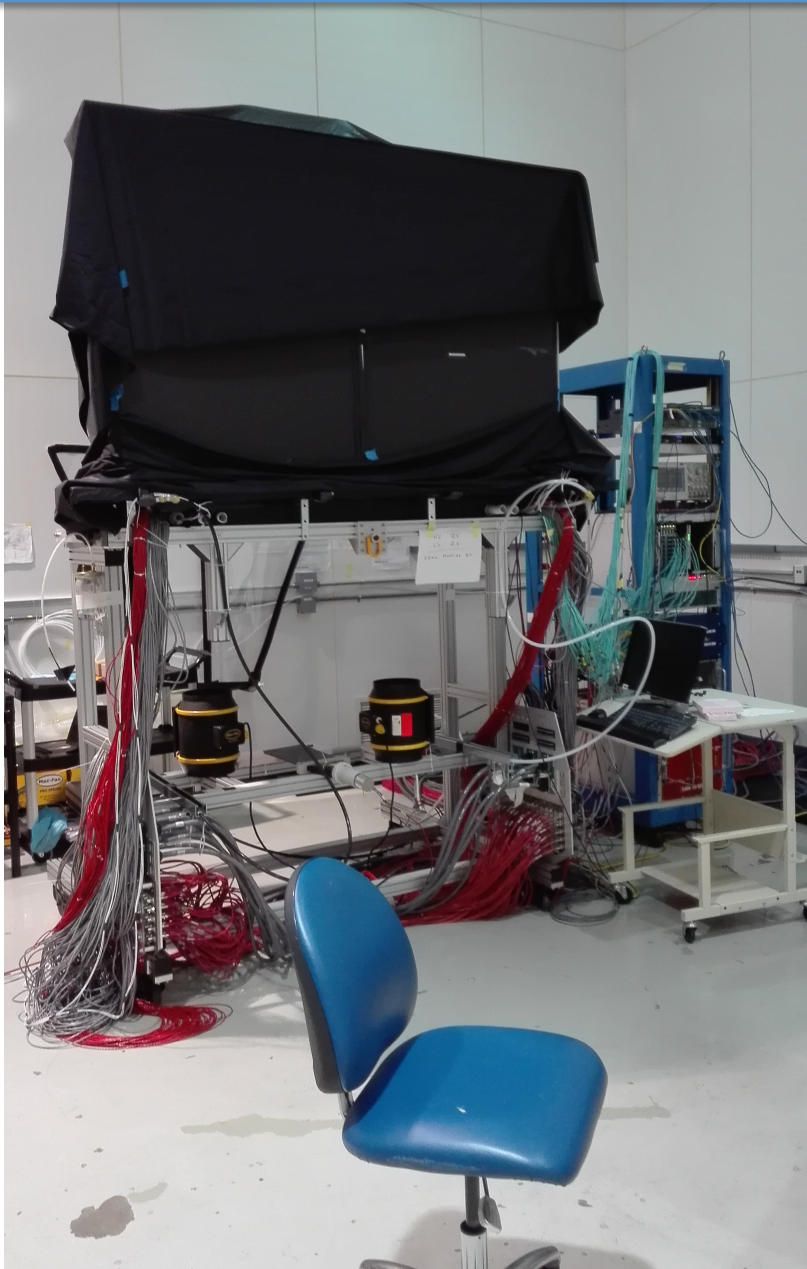
Electronic Panel Installation



Electronic Panel

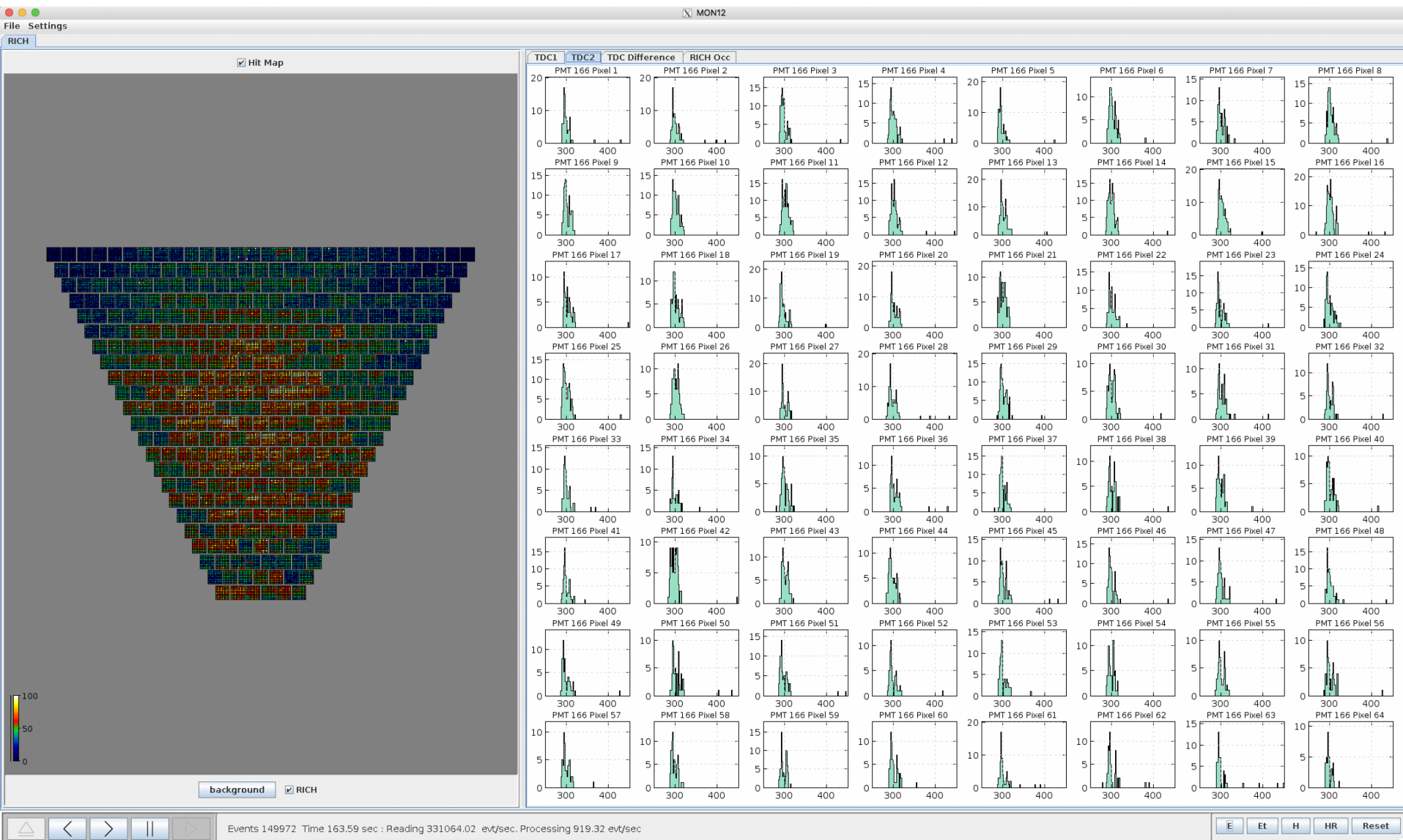


Cosmic Stand

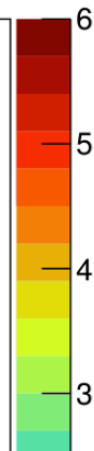
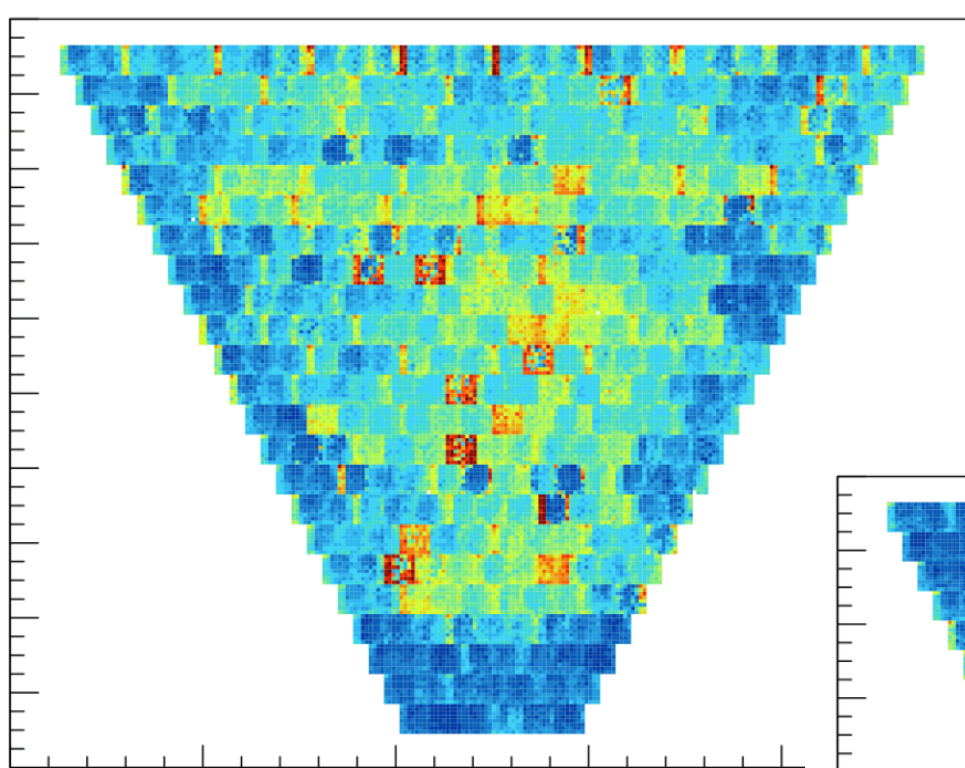


/ Event #8

Online Monitor



Pedestal RMS Distribution

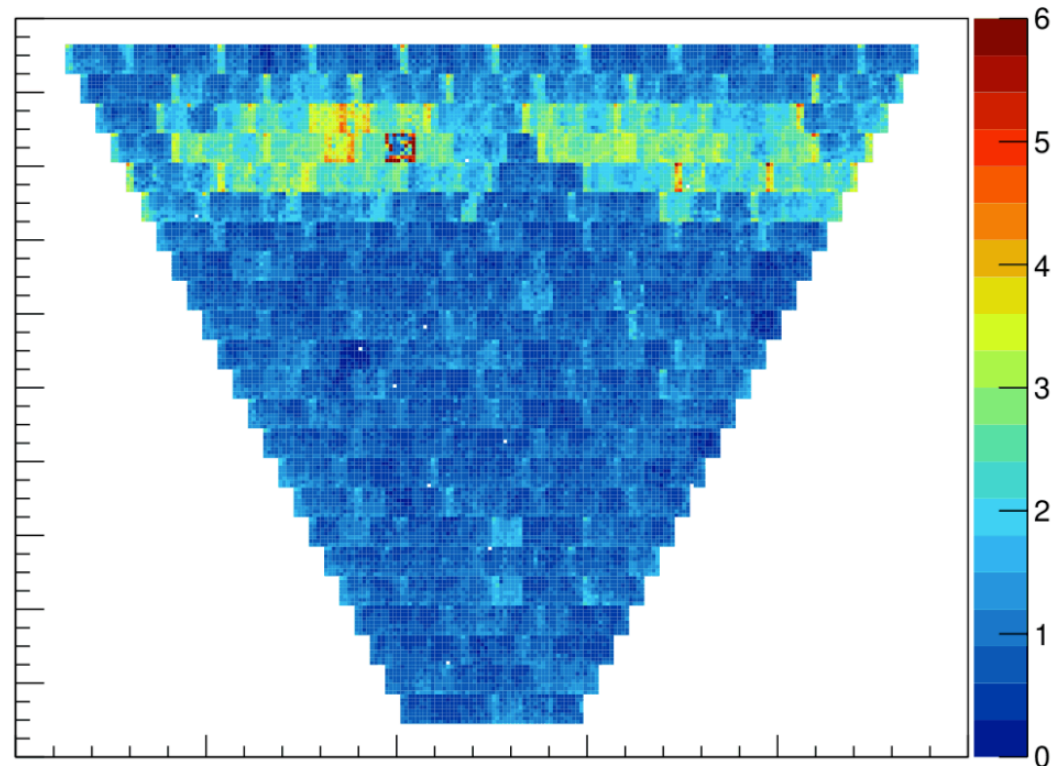


TDC discriminator baseline

1 DAC \sim 1 mV

Typical single-photon signal
around 400 DAC

Improvement in progress
(jumpers between boards)

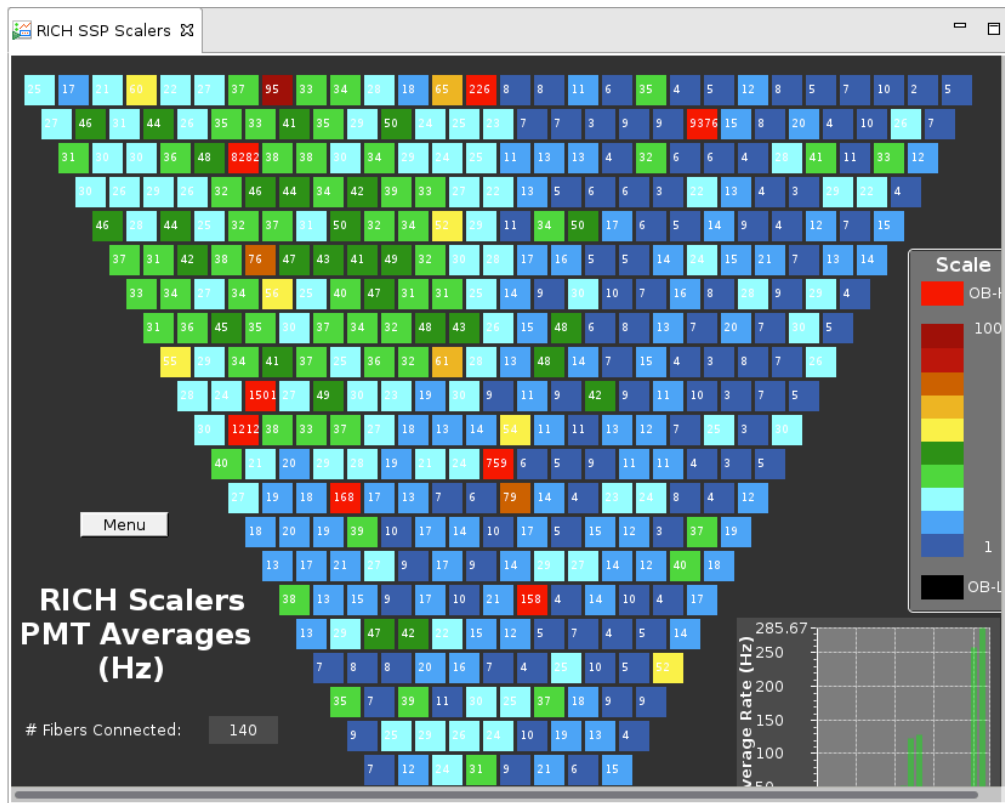


Slow Control

Scalers

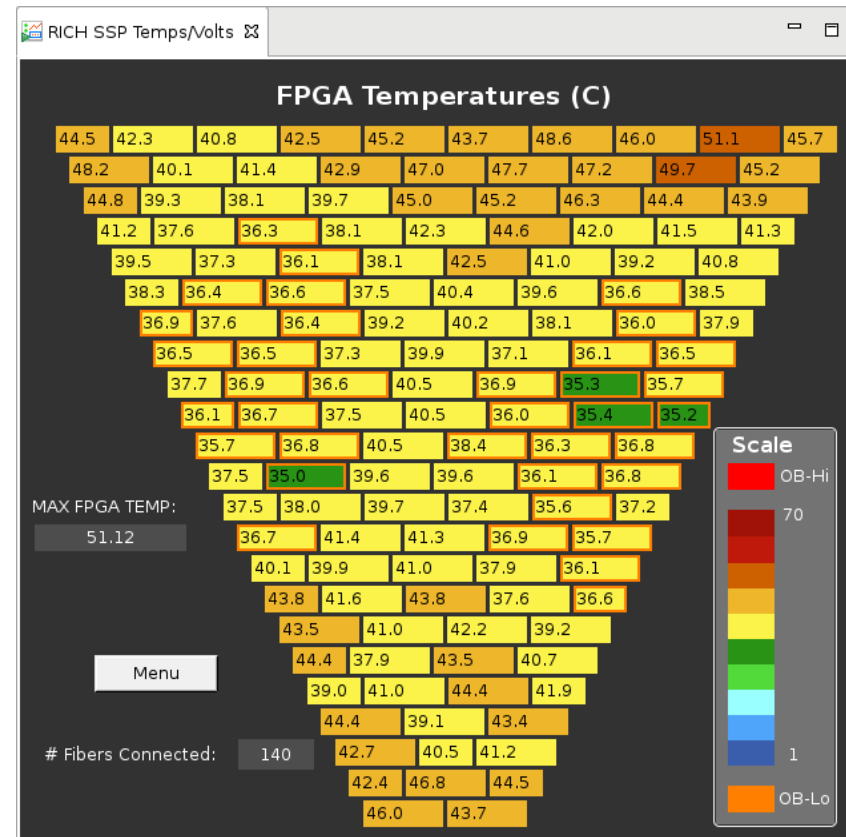
Hot or dead channels

LED single photon illumination



Temperature Map

Upgraded to software interlock



RICH was planned to be ready for installation middle of November

About 1 month ago we reviewed the schedule with Hall-B management

In principle possible, but too tight and risky :

- not compatible with all functionality tests
- no real benefit from Hall-B cosmic (due to geometry)
- not sure about beam availability

To not interfere with CLAS12 schedule we agreed to decouple RICH

RICH installation planned at beginning of January,
during the engineering run break.