



MicroBooNE status update

All Experimenters Meeting

May 12, 2014

Anne Schukraft
Fermilab

Status:
The TPC is in the cryostat (Dec 20)
and cabled up!

Resistor chain at the far end of TPC, inside the cage.

A recommended
change before
closing:
Replace the resistors
in the resistor chain
near the cathode
with resistors rated
for higher voltages:

Cathode 128 kV

Anode, Cryostat: ground



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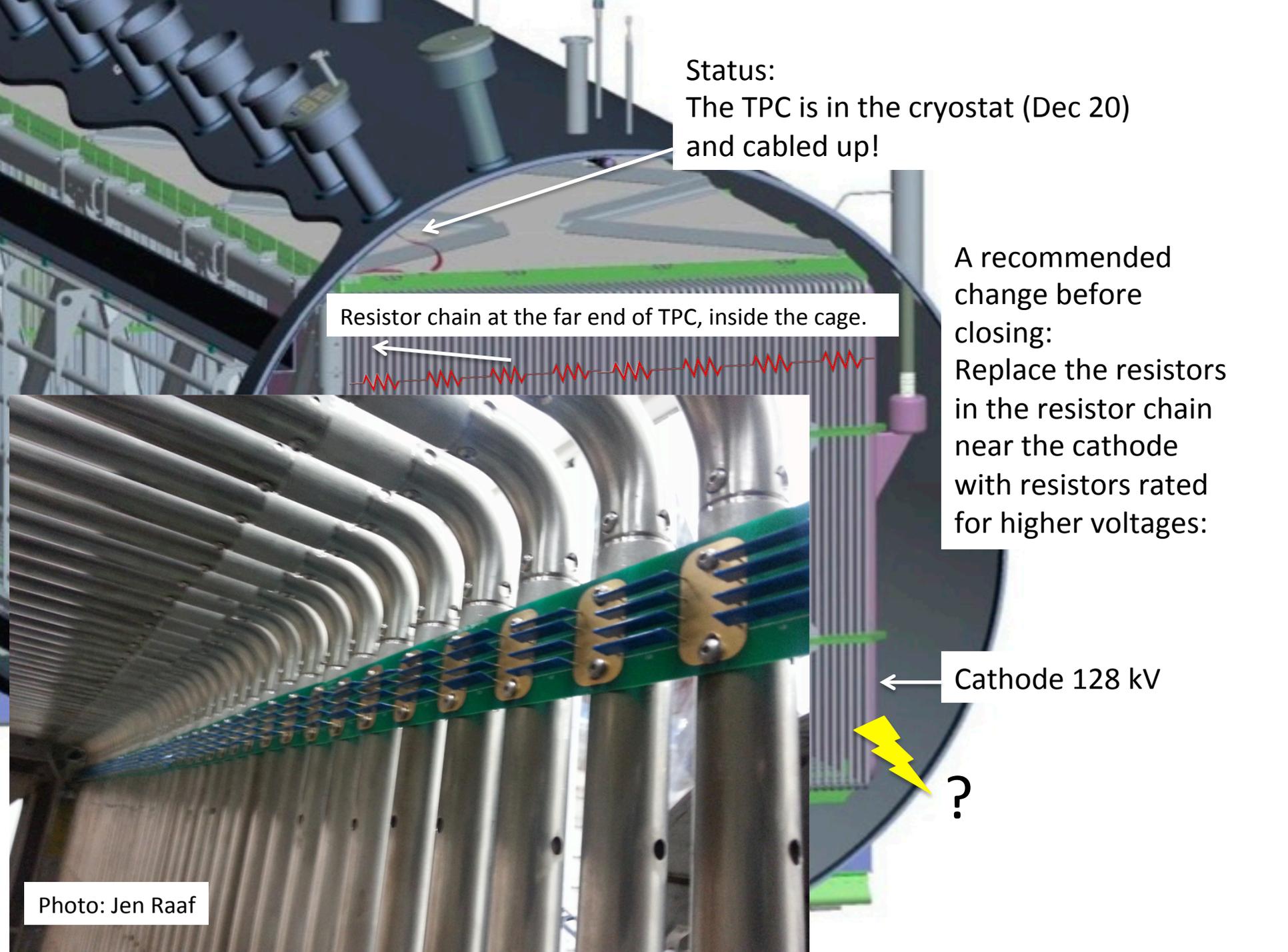
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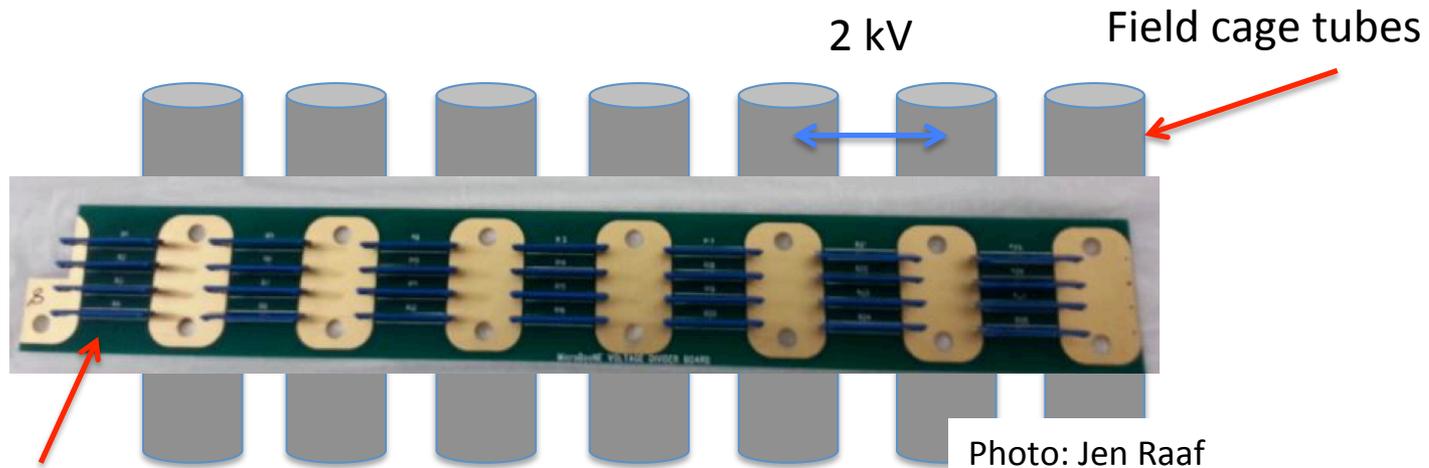
Cathode 128 kV

?

Photo: Jen Raaf



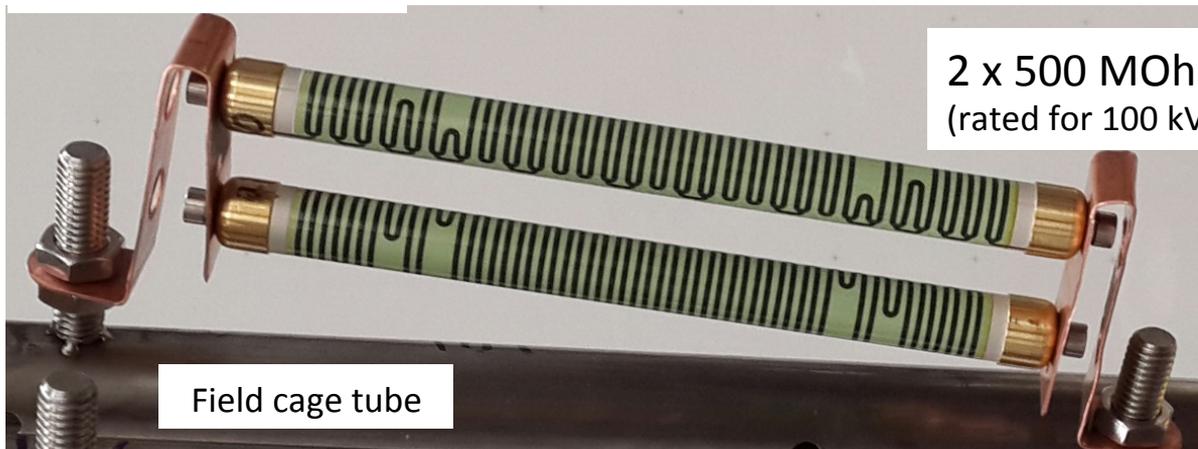
The Slim Mox resistor chain



4 x 1GOhm resistors in parallel
(rated for 10 kV)

“Zebra” resistors for tubes 1 – 16 (near cathode)

Photo: Thomas Strauss

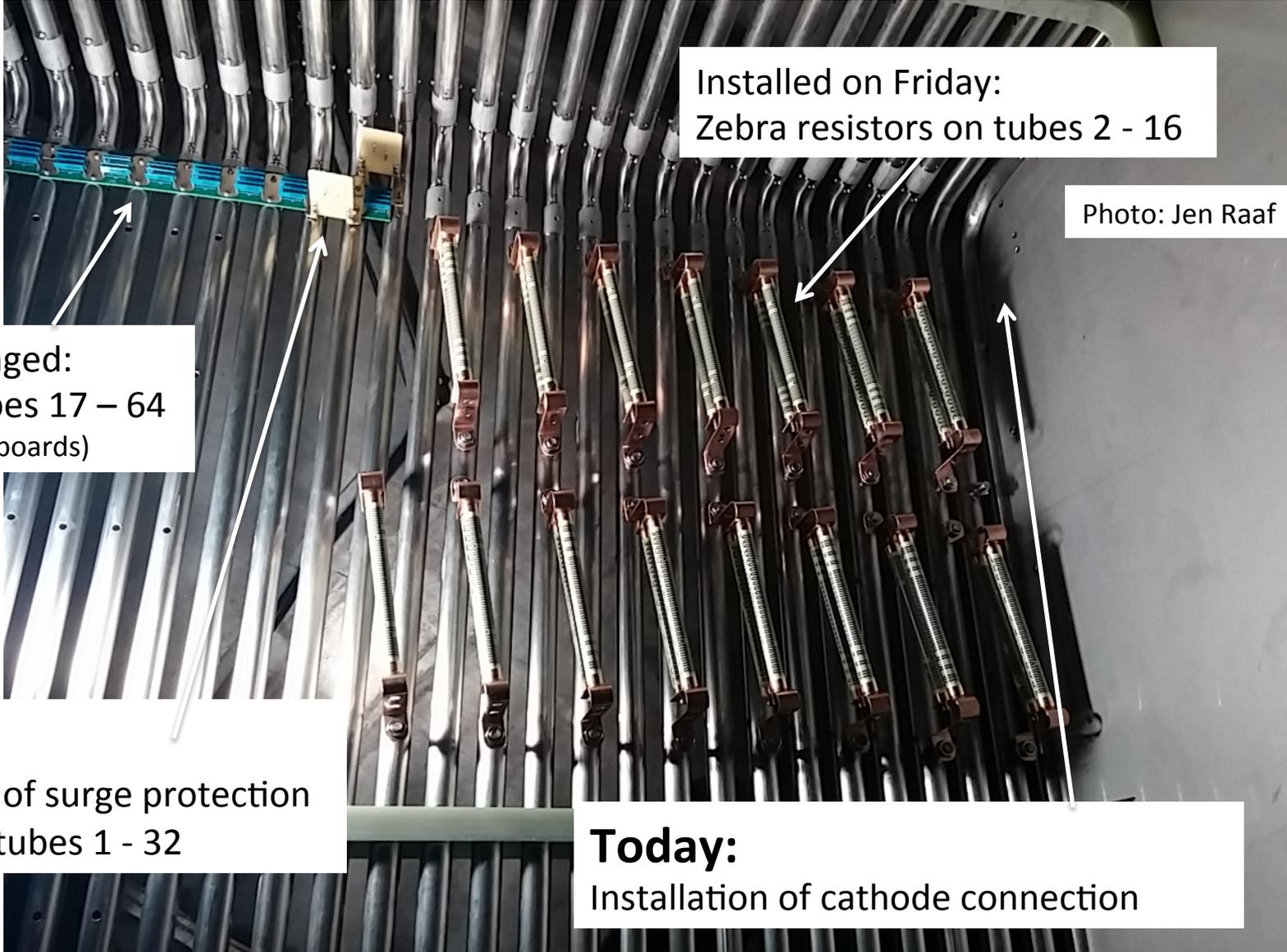


2 x 500 MOhm resistors in parallel
(rated for 100 kV)

Extensively tested
under HV in Lar over
the past weeks

Status @ DAB:

Last remaining tasks before welding on the detector endcap!



Installed on Friday:
Zebra resistors on tubes 2 - 16

Photo: Jen Raaf

Unchanged:
field cage tubes 17 - 64
(Slim Mox boards)

Today:

Installation of surge protection
devices on tubes 1 - 32

Today:

Installation of cathode connection

Welding the endcap: May 19

Curtain and ground shield to protect the electronics and PMTs, will be removed



Schedule

May 19 **Welding the end cap**

Leak check
Pressure test

Electronics testing

~ June 23 **Transport from DAB to LArTF!**

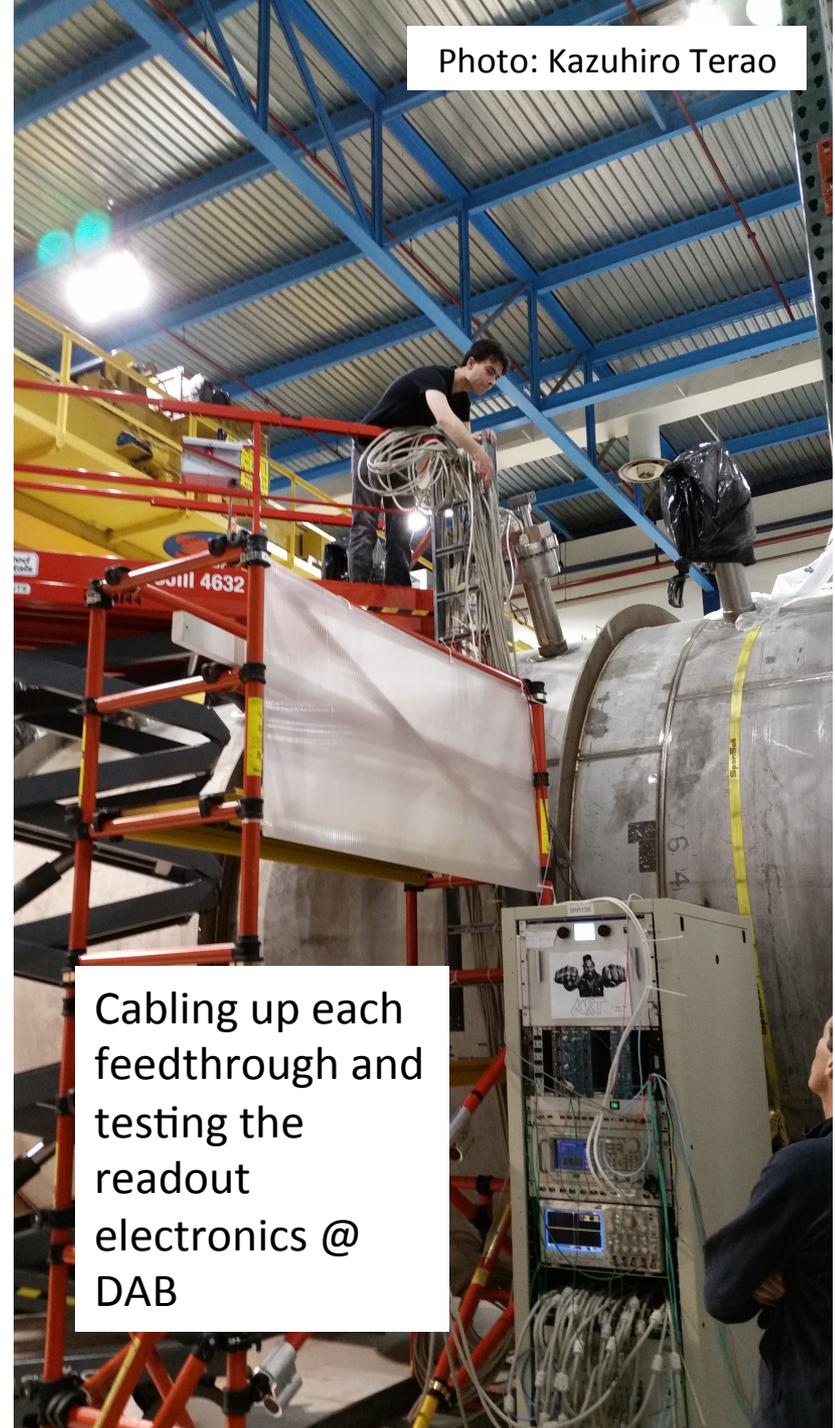
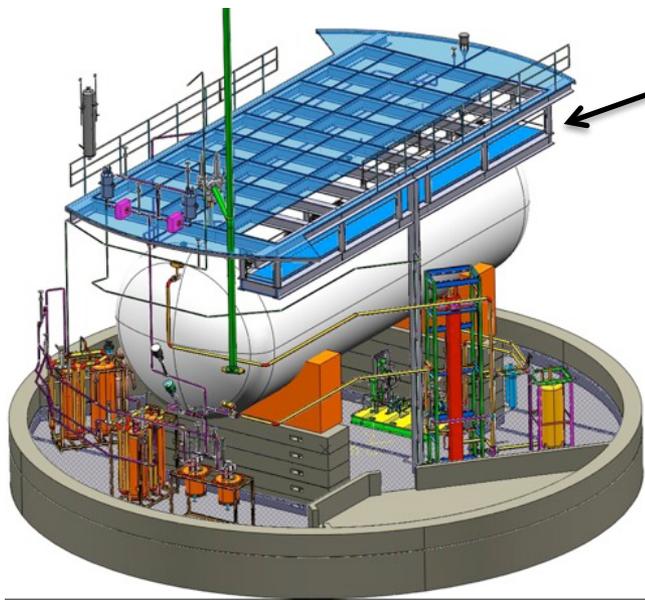


Photo: Kazuhiro Terao

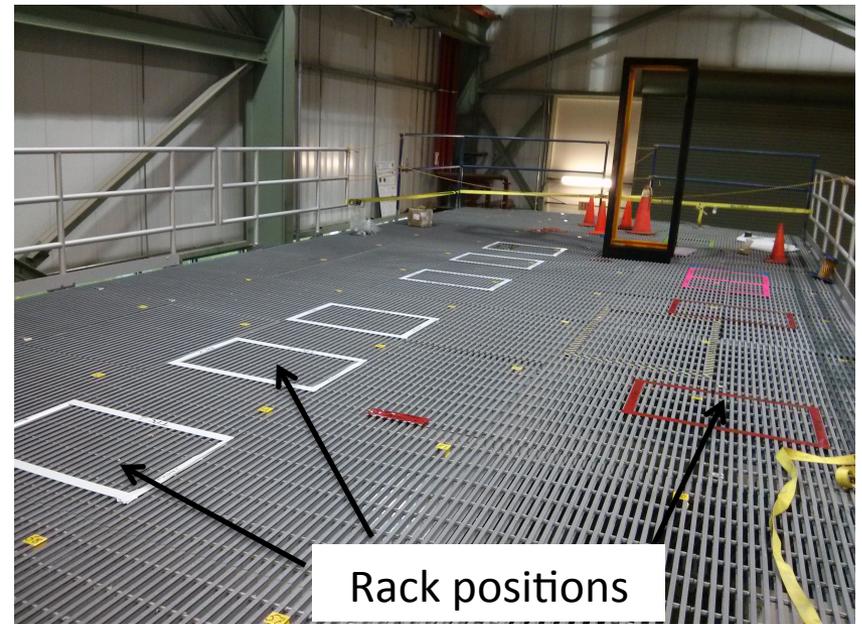
Cabling up each
feedthrough and
testing the
readout
electronics @
DAB

Preparing for installation @ LArTF



Rack platform above vessel

Currently set up @ MINOS surface building:



Rack positions



Cable trays underneath platform