

ALPSII-Cryo-Meeting: Protokoll des Meetings vom 27.9.2019

Verteiler: An Teilnehmer/ Mailing-Liste - Verfasser: S. Barbanotti (MKS)

1. Status der Magnettests

The magnet BL111 is on the test and will be straightened on Tuesday October 1st. The magnet was "gelötet" and "eingewickelt" the same way it will be done in the tunnel, except for the last layer of Epoxid glue that is missing (Defcon). The next magnet will be tested with the Exopy layer as well.

The BL136 (magnet tested before BL111) underwent a 1h long test at 5700 A before being ramp down and removed from the test stand.

2. DAQ+Kryokontrollen, Platzbedarf im Tunnel

MKS2 will investigate if in the MKS2 place holders there is space for a uTCA crate (60cmx80cm and with free access to the back)

As additional into, the quadrupole close to the Subcooler position in NL will be removed (meeting MKS-MEA next week).

3. Transport der ALPS2 Magnete in den HERA Tunnel

The ALPS IIc First Magnet Fest will be on 28.10. At least one magnet has to be installed for the event. A choice was made for the magnet NL/3. The transport is foreseen for the 23/10.

The sequence of the magnets in the tunnel (which magnet at which position) will be discussed next week (Trines/Gadow/MKS/Vakuum) and the check list for the tunnel transport (status magnet before transport) will be attached to it.

The feed box NL can be installed in the tunnel once the concrete blocks for the clean room (delivery expected 14/10) and the supports (beginning of installation next week) are installed.

4. Allgemeines

Karsten Gadow reports that in tunnel some of the grates (Gitter/Bodenrosten) behind the dipoles were removed and will be adapted for the new support positions: please watch your step!

MEA2 will mark next week the position of the supports for the end and feed boxes and the support installation will follow just after. The support should be installed with a precision of +-1cm.

This week Hilti performed a traction test on the screws in the tunnel concrete; the concrete started to break after 10 t. The requirement was 4 t.

The company that won the bid for the 3 transferlines (Subcooler-FeedBox, Subcooler-HERA-TL and 80K return line) will have a kick-off meeting next week, but they accepted the required delivery date of beginning of February.

MKS should finalize its "Gefährdungsbeurteilung".

A longer discussion follows about the status of cables, racks, Schalters, USV, Netzwerke. Not everything was clear at the end, but Karsten Gadow has the different topics in his work list.