Frank Gerigk, Jean-Michel Giguet, Mohammad Reza Khalvati, Tomoko Muranaka, Suitbert Ramberger, Karl-Martin Schirm, Rolf Wegner

CCDTL (F. Gerigk)

- First 2 CCDTL cavites arrived at CERN, The Russian team doing the installation will arrive this Sunday in Geneva. From the CERN side we will need to prepare:
- assembly procedure ready by 15.9 (**Benoit**), **-> received draft from Benoit**
- laser tracker ready on 2.10, various survey measurements during the visit (**Jean-Frederic**), ok
- vacuum equipment (pump, RGA) ready on 1.10 (**Jan**), ok
- vacuum connection pieces (2x half-cell, 6x beam pipe), instrument-cross exists, (**Jean-Michel, Yves**) * (being cleaned),*
- minimum vacuum support during their stay (**Jan**), ok
- SM18 test stand ready for high-power tests from 15.10 onwards (**Jose**), **in prepration.**
- water hoses and connectors ready on 1.10 (**Jean-Michel**), **ordered**
- nuts and bolts and tools ready on 1.10 (**Jean-Michel**), **nuts and bolts ok, tools in prepration,**
- Helicoflex joints ready on 1.10, **(Jean-Michel)** , ok
- visa invitation Alexandr, (**Frank)** , ok
- subsistence + travel costs Alexandr **(Frank),** ok
- GSM for Alexey (**Frank**), ok
- admin, office, transport, etc, (**Frank**), ok
- visual inspection of half tank gaskets at Alexandre Gerardin **(Jean-Michel)** , **in progress**
- lifting arm will be put into the assembly area (chèvre) to be able to move tanks on the support but not to lift them **(Jean-Michel, Yves)** , ok
- put some cabinets into the assembly area for material storage **(Jean-Michel, Yves)** , ok
- provide blocks onto which the support frames can be put (**Jean-Michel, Yves)** , ok
- prepare coupler with movable tuner for measurements (**Jean-Michel, Rolf)** , ok **PIMS coupler works for CCDTL, piston tuner in bunker and movable short in assembly area,**
- are the counter olives for the welded SERTO fittings delivered by Alexey (**Frank)** , ok
- re-machining of assembly table **(Jean-Michel, Yves**), **under construction, Monday survey,**

SM18 Linac4 test stand (T. Muranaka, R. Wegner)

- PIMS cavity re-tested for testing beam instrumentation (BPM and FCWT). Max RF power from the klystron-modulator system of ~ 700 kW peak, 0.8 ms, 2 Hz was quickly accepted by the cavity. Only a very few breakdowns could be seen.
- Development of Labview control programme for the high power cavity tests have been in progress. Communication problem between Labview and automat will be fixed this afternoon.
- Basic format for data taking, storage and filing for whole cavity test series will be discussed with Jose.

PIMS (R. Wegner)

- Brazing test fully analysed (visual, vacuum, ultrasound). All test confirm excellent quality of brazing. Green light given to NCBJ for machine and braze the waveguide ring of cavity M for qualification.
- Short module status: discs M_1 and G_2-3 at CERN. Discs M_14 and M_6-7 at CPL for repair (0.03 mm overlength at assembly diameter). No news. Ring M_13-14 being finished in CPL.
- Ring M_1-2: X-ray analysis showed welding defect. Further analysis to verify defect.
- Instruments purchased by NCBJ to do X-ray analysis of welds at NCBJ; reports will still be made at outside company (certification + experience)
- Alternative for short module: Ring G_13-14 can be used instead of M-1_2 for short module (outside diameter is a bit too small)
- Rings N,M,L will be sent to Julich for welding, is defect of ring M_1-2 is confirmed, repair will be

arranged with Julich
- Public tendering for new turning/milling machine started this week. In last offers, Chiron promised 24 weeks for delivery, DMG 28 to 32 weeks.
- Support spacers: decision taken to finish support spacers of old design (splhapms0003-vAA) as initially foreseen and to stock/use them for something else at CERN. Support spacers and shims of old design (splhapms0003-vAC, splhapms0022-v0, splhapms0023-v0) are not urgent, delivery mid 2014 sufficient. Waiting for offer.

-- RolfWegner - 27-Sep-2012

This topic: SPL > Minutes27Sep2012
Topic revision: r2 - 2012-09-27 - RolfWegner