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General news

- The cooling water temperature for Linac4 will be stabilised around 20-23 degrees Celsius. Value to be confirmed. That might imply a re-tuning of the 1st PIMS module (frequency reduction by 30 to 40 kHz) which has been tuned so far to 28 degrees Celsius operating temperature (compare table 1 of The hot prototype of the Pi-mode structure for LINAC4 , Linac10, Japan, 12 - 17 Sep 2010, <http://silver.j-parc.jp/linac10/MOP071.PDF>)

SPL cryo-module (F. Gerigk)

- the SPL cryo-module technology for the short cryo-module will be the base-line for the ESS cryo-module,
- in parallel, ESS and IPNO will work on a back-up solution in case of technical problems with the CERN design
- addendum is in preparation, which will define more common working effort on the SPL module
- technical meeting in the beginning of February,

Jacks (F. Gerigk)

- Neff jacks are ordered and will arrive in week 6
- drawings have been modified and controlled to accommodate the different geometry of Neff with respect to the original Nozag pieces
- order of bearings, etc is being prepared
- construction in Spain will be abandoned if the situation is not clear by the end of the month

CCDTL (F. Gerigk)

- dodgy half tank of module 1 with void in Helicoflex area was leak tested and is leak tight, has been sent back to VNIITF for Cu plating
- module 4 arrived at BINP, module 5 is packed and ready for shipping to BINP, module 6 should be ready in February, and module 7 at the latest end of May,
- supports 2/3 should be ready in mid-March, then test mounting and metrology during visit of M. Jones/ B. Riffaud/F. Gerigk
- shipment of modules 2/3 and supports 2/3 expected around May,
- name plates: will fix one module name plate on the support and half-cavity numbering on respective half cavities,
- need short assembly table -> JM
- need to prepare supports for assembly and RF testing (-> Benoit)
- it was suggested by CERN vacuum group that drift tubes are wrapped in paper before being wrapped in plastic bags.
- BINP should provide the max. coupling from each module to the waveguide
- JM renewed the space request for assembly and storage of CCDTL and PIMS in SM18, 200 + 200 m²,

Movable tuners (F. Gerigk)

- final raw material delivery arrived at CERN,
- THK guiding systems have been ordered and are expected mid-March,

Helicoflex (F. Gerigk)

- all ordered joints have been delivered. They were counted and the numbers are correct.

India (F. Gerigk)

- addendum for couplers is approved by India, will now be signed by CERN

DTL (S. Ramberger)

- The tank segment T1S2 is at CERN for heat treatment. It has been cleaned and should be treated over the weekend.
- Girder: The girder segment T1S2 has been sent to CERN in a pre-machined state. The company will not further attempt to manufacture the final machined girders.
- Drift Tube Pieces: A considerable number of drift tube pieces has been delivered to CERN. The manufacturing is at progressing in various stages in parallel.

SM18 Linac4 test stand (R. Wegner)

- An additional modulator control chassis has been made available for SM18 so that the one from the 3MeV test stand can be re-installed there. The change will be done with priority given to SM18 so that tests can be started beginning of February.

PIMS (R. Wegner)

- Soltan Institute: Marek is preparing a document with a detailed production procedure and with drawings of the revised tooling for fixation. In the meantime, machining of one ring to final dimensions and the test-disc to under-dimensions by 1mm but final tolerances at CPL continues. At the same time, time is spent at CPL for machining the new tooling and for other projects which might cause delays. At the Soltan Institute, the machining was also stopped for 1 week because of an audit for another project.
- The leak test of the 2 rings welded in Julich is available now Testcert_1301-0112-E.pdf:
Testcert_1301-0112-E.pdf

-- RolfWegner - 19-Jan-2012

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