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#### **movable tuners (F. Gerigk)**

- cleaning samples have been prepared by M. Taborelli and a small quantity of cleaning liquid will also be sent, so that CECOM can follow the CERN recommendations.

#### **technical students (F. Gerigk)**

- a student was requested from Norway to work with Jose on Linac2/3 FESA migration and on PLC programming for Linac4. It was just confirmed that the request could still be added to the general "wishlist"

#### **PIMS (R. Wegner)**

- Ring M\_13-14, surface roughness measures  $R_a=1.4$  um will increase RF losses by 18% (on this cell). This cannot be accepted for the series. Machining tests will be done with higher machining speed of the Kaiser tool (for the moment 50 rpm at NCBJ). The TOS at NCBJ can only carry 27 kg, the Kaiser tool weights already 50 kg.
- Ring M\_13-14, coaxiality not good on assembly diameter (524.720) and outside diameter (538.720). Machining procedures will be improved by using 3 different Kaiser Tools for 518, 524 and 538 mm diameters.
- Ring G\_13-14 will be machined quickly: assembly diameter (524.720) will be opened to specifications on both sides because otherwise the ring cannot be placed onto the discs of the short module.
- Disc G\_6-7, repair of assembly diameter 524.720 was successful (30 um were taken off)
- Short module: End disc M\_14, disc M\_6-7 and ring M\_13-14 are ready, ring G\_13-14 will quickly be machined. Parts will be cleaned, packed and shipped to CERN latest beginning of December. Tuners will be brazed soon, slotted flanges will be prepared.
- Finished support spacers will be sent together with short module.
- Metrology of disc M\_1 showed a hole for the metrology targets 8H7 being 8.370 mm (instead the 8.000-0+0.015 mm). Disc was machined by CPL, reason is unclear. In NCBJ a drill broke during the machining of these holes in disc M\_5-6 but here it did not cause much damage. Maybe something similar happened in CPL. The metrology at NCBJ has been requested to note similar problems in the future.
- 12 rings are being prepared for welding in Julich
- Tendering for turning/milling block: time of opening delayed from 5th December by 3 weeks due to change of specifications (requests for details by some competitors).
- Vacuum tests done at CERN successfully on disc G\_2-3, leak rate  $< 3 \cdot 10^{-11}$  mbar\*s

-- RolfWegner - 22-Nov-2012

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