

F. Gerigk, S. Ramberger, R. Wegner, P. Ugena-Tirado

### CCDTL (F. Gerigk)

- yesterday was a video conference with BINP on the construction of the CCDTL support,
- at CERN it was concluded that we need a bronze layer between cavity support pads and the frame to allow longitudinal movement (50 deg temp difference between support and cavities cause 0.5 mm long. movement of the outer cavities),
- BINP has already foreseen a stress relief treatment (heat treatment) to achieve the required tolerances,
- vertically the cavities will most likely be shimmed, because simulations on the deformation of the support showed maximum values of 0.2 - 0.3 mm (for extreme cases, which are unlikely to happen in reality),
- CERN workshop is in the process of making a cost estimate for comparison with BINP price,

### Windows (F. Gerigk)

- revised price expected from Thales next week

### India (F. Gerigk)

- ongoing discussions on welding procedures

### PIMS (R. Wegner, F. Gerigk)

- In a meeting with the CERN workshop it was decided that the short module made of 2 cells (2 end discs - module N, 2 rings module G and 1 disc module G) would be sufficient to qualify the production process of discs and rings for the PIMS series production. Only the waveguide ring needs to be qualified separately.
- analysis results of the 2nd welding test in Juelich arrived, 2 linear pieces are welded together, the photos look promising ([https://twiki.cern.ch/twiki/pub/SPL/Minutes06May2011/Juelich\\_Linearer\\_Test.pdf](https://twiki.cern.ch/twiki/pub/SPL/Minutes06May2011/Juelich_Linearer_Test.pdf)), circular samples will be welded soon
- IPJ replied that they can machine precision holes for the alignment arms into the discs which simplifies the arm design.

### DTL (S. Ramberger)

- CADINOX has completed the final machining of the RF-port. Currently the vacuum test is undertaken with the support of ESS-Bilbao.
- Machining of prototype girders is now going on at three companies.
- The first series parts of the first 10 drift tubes have been completed. There are delays on the other more complicated pieces.

-- RolfWegner - 06-May-2011

- [Juelich\\_Linearer\\_Test.pdf](#): 2nd welding test Juelich, linear weld

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