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DTL

- Prototype high power test
  - Prototype with magnet in the first DT and anodizing matrix in the LE end-cone conditioned at 3% d.c. (width=1.5msec; repetition rate=20Hz)
  - Further power tests to be defined

CCDTL

- Russian team at CERN for the CCDTL 4th technical meeting. The construction status at VNIITF and BINP can be followed here
- The support should arrive at CERN at the end of year to allow the installation of the first module
- Quality assurance for acceptance test for CCDTL to be defined
- The RF tests and the leak tests will be done in Russia. The re-assembling, RF and leak tests, water pressure test, laser track will be done at CERN
- In 3 months after the assembly, each module should be operative: 2 weeks time to be spent for the conditioning of the cavity. To be define breakdown rate and also the way to measure it

PIMS

- Indirect measurements of the cells resonance frequencies before and after the welding show change in frequencies. Simulations have been done to estimate the shrinkage according to the calculated frequencies shifts
- Simulations to calculate the dissipated power density on the interconnecting WG. Maximum value: 0.25W/cm^2. This maximum heat load has been uploaded in Ansys Multiphysics to calculate the temperature on the structure while applying a water flow rate of 8.65 l/min (the temperature of the water is 24 degrees). **N.B.** constant heat load has been considered on all 4 surfaces of the interconnecting WG. Furthermore also a simulation with the double power density has been performed

-- GiovanniDeMichele - 21-Jun-2010

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