




DTL prototype

- Tilt on the field
 - ◆ J.Billen introduced a torus with triangular section on the DTs to simulate the effect of the stems. In order to have the same frequency this solid results to be too high. Try with a rectangular section
- Beadpull
 - ◆ try to use a bigger bead and the non-linear formula for E field calculation
 - ◆ measurements repeatability should stay within 1% 
 - ◆ measurements from the low to high energy and from high to low
- HP test
 - ◆ Water pressure for DTs max 6 l/min , PCs max 3 l/min to avoid copper erosion and vibrations 
 - ◆ at the moment Repetition Rate 2Hz, Pulse Width 200µsec, freq=352.027MHz (-19.3dBm), power=185kW, vacuum=3*10⁻⁶mBar 

CCDTL

- Russian prototype
 - ◆ difference in the measured and calculated coupled cell (CC) frequency
 - ◇ CST simulations w/o tuners give a frequency: 351.880MHz +/- 90kHz (accuracy due to the meshing)
 - ◇ HFSS simulations w/o tuners with 1/4 geometry give a frequency: 351.950MHz
 - ◇ HFSS simulations w/o tuners with full geometry (as in CST) going on
 - ◆ mechanical backup on the CC flanges under consideration in order to change in the case the CC frequency

PIMS

N.B. CCDTL technical meeting from 26th to 28th October

N.B. SPL collaboration meeting  on November 11-13

N.B. DTL meeting next Monday exceptionally at 16:30

-- GiovanniDeMichele - 25-Oct-2009

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