

9-cell cavity coordination

CM Ginsburg

SRF Meeting

13 September 2010

New Cavities

- New AES batch of 6 cavities
- Started arriving 26.Aug.
- TB9AES011 is already through incoming visual and CMM portions of QC
- All but one have been shipped from AES
- We decided to do a leak check at FNAL for all the AES cavities pending improved understanding of the AES procedure

Status of 9-cell EP

- Background info:
 - Saw reduction in Q0 with new ANL facility EP parameters (lower temperature, lower voltage, new acid mixture, etc.) introduced to bring FNAL/ANL facility more in line with collaborators
 - Increased voltage (only) 14.5V -> 18V
- three 1-cells EP'd with updated parameters showed improved Q0's >~2E10
- TB9RI022 is 1st 9-cell to try with updated parameters
 - Not all EP parameters can be tried first on 1-cells, e.g., flow rate and acid input temperature will be different
 - Was EP'd last week
 - Test planned for next week 9/20
 - Will wait for test results on this cavity before EP'ing another 9-cell