

## Tapes

Intro including explain follow-up: Sergio

Action points from FDR Carl

Changes since FDR: common talk barrel and petals? Tony W with help from Pepe/Fernando

State change in baseline for barrel production and refer to radiation results. Craig

QC plans stave and petal: common. BTTR, signal integrity, visual inspection, thickness and weight. Need plan for wire bonding pull tests, start with every tape and reduce frequency in production. Vlado (TBC)

QA/DV plans: common. Demonstrate tab bonding works and will show results at loading PRR. Thermal shock cores. Radiation testing cover layer glue. Thermal shock chain of vias. Tony(?)

Update next week on tab bonding on tapes. Every institute that has done these tests present next week.

(How many bond pull tests per tape?)

Results from pre-production

Petals Vlado

Barrel results on 8 tapes and plans for testing 16. Yale (Jeff or Paul)

Pre-production: QA for petals and staves: radiation tapes, thermal cycling vias, bond pull tests.

Pre-production QC petals and staves

Production plans

Petals: Vlado

Barrel: Tony on behalf of Rui. Tony has asked Rui if someone from Rui's team could join (or present?) Jeff/Gabriella to provide slide on purchase plans. Explain that we show results on 8 tapes and will have follow-up based on results from batch of 16.

## Cores

Intro : Marcel/Sergio

Follow up action plan from FDR: Marcel/Sergio

Layout changes since FDR

barrel: ECR for Z=0 before PRR: Jens/Stephanie

Petal Minor changes from DESY → AVS Carlos

Cooling loops include all welding and brazing Paul/Frauke

Co-cured tapes results from pre-production: Sergio

Manufacture plastic parts (barrel): Stephanie

QC: staves and petals

Thermal QC including update on barrel TEM (update from Graham next Wednesday with help from DESY/IFIC) Graham with input from EC (TBC)

Other QC: separate staves (Georg/Jens) and petals (DESY)

Electrical integrity cores (DVM checks)

BTTR

Mass and dimension measurements during assembly.

Clearance checks for staves and petals (every core)

Petals: full metrology on every core in-house (AVS do same procedure on 1 in 20)

Local flatness for petals and staves

Material Checks:

TIM tower measurements: Start with sampling every block and reduce frequency if results ok(TBC)

Reception testing: visual QC for foam blocks.

Test on expired honeycomb

QA: Hysol radiation test in production

Electrical Tests: eye diagrams: Petals and staves

Dbase: