

Meeting CERN - LNL 600 MKK

7.11.2018

What metrology on AC cavity??

Annealing after deep-drawing?

Annealing at 500°C - 2h?

Enzo said to go higher

Cut first cavity to measure thickness and see back P.

Carolina: MKM out of spec, no possibility of ducking before forming
→ 400 mm would be better.

Mikko →
• shape accuracy, correct mandrel
• re-finish cavity with one pass to increase hardness, not uniform (see turning)

Discussion:

↓
we cut the cavity

Shape / thickness / grain size / roughness

Carolina: homogeneity of critical parts !!

Carolina says possible hardness is not possible

Stiffness measurement Mikko

→ Looking for tube 800 MHz

Main criterion: velocity of cutoff.
Geometry accuracy.

- Navity goes to a final spinning pos
at the end of the cycle, full pos.