

thinfilms and NEW IDEAS for SRF

Contribution ID: 43

Type: **not specified**

State of the art of 400 MHz copper SRF cavity production via Spinning in the framework of FCC study

Tuesday, 9 October 2018 16:50 (25 minutes)

In the framework of the FCC study, niobium-coated copper cavities are considered to operate at 400 MHz. Spinning is a potential alternative to conventional shaping methods of copper half cells. A step by step presentation of the complete spinning process will be explained, observing the effects of the stresses induced by the forming and the actions chosen to fight this specific behaviour of OFHC copper.

Summary

Primary author: AZZOLINI, Oscar (LNL)

Co-authors: PIRA, Cristian (LNL); KEPPEL, Giorgio (LNL); PALMIERI, Vincenzo (LNL)

Presenter: AZZOLINI, Oscar (LNL)

Session Classification: Advances in cavity substrate fabrication

Track Classification: Advances in cavity substrate fabrication