

thinfilms and NEW IDEAS for SRF

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325 MHz Dummy QWR Cavity Coating Experiences at IMP

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The possibility that CIADS uses only Nb/Cu cavities has been discussed at IMP. A 325 MHz dummy QWR cavity has been fabricated at IMP for technique demonstration. The cavity has been coated for a few runs, with small samples attached to the inner surface and bare cavity only. The small samples manifested a complete superconducting coverage. Vertical testing results suggested the Nb/Cu technique is a promising candidate for the next phase CiADS project.

Summary

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Session Classification : Nb thin film technology in QWR

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