

Pushing the Limits of RF Superconductivity Workshop

Abstract Submission Form for Contributed Talks

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Session: (choose one)

Ultimate Field Limits, New Materials, New Geometries

High Q, Field Emission, Q-Slopes

Future Research Paths to Ultimate Performance

ABSTRACT:

Title: R&D of High RF Power Coupler for Ultimate Cavities Performance

High RF Power Input Coupler has been one of the critical issues associated with pursuing ultimate cavity performance. The high RF power couplers are not only crucial in transferring the very high RF power into superconducting cavities, but also have important impact on cavity performance as they are closely connected by thermally, RF, vacuum and mechanically. AMAC's efforts in various high RF power couplers are in support for pursuing ultimate cavity performance.
