

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: Pushing the Limits of the SRF Technology for Low- and Medium-velocity Applications

Although the frontiers of the SRF technology are usually associated with high-energy accelerators, its application to low- and medium-energy accelerators has required developments and improvements over a broad front of scientific and technical issues (cavity geometries, field control, processing techniques, etc.). This talk will present a broad overview of the application of the SRF technology to low- and medium-velocity accelerators, its challenges, and the opportunities for further developments to extend its range of application.
