Pushing the Limits of RF Superconductivity Workshop

Abstract Submission Form for Contributed Talks

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Session: (choose one)

_X_ Ultimate Field Limits, New Materials, New Geometries

___ High Q, Field Emission, Q-Slopes

___ Future Research Paths to Ultimate Performance

ABSTRACT:

Title: LANL Activity on new materials

Activities related to new superconducting materials at LANL will be presented. Our recent focus is on magnesium diboride (MgB_2) that has Tc of 39 K. Some results on RF surface resistance and field dependence will be presented together with some proposals on the research on new materials.