The Beams and Applications Seminar Series

Electromechanical Properties of Superconducting Cavities: Tuners and Couplers

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Bldg. 401, Rm. A1100
Friday, June 15, 1:30 pm

Host: Yong-Chul Chae, ASD

Abstract: Controlling the phase and amplitude of the RF field in a superconducting cavity is a primary technical challenge which must be addressed when building a viable superconducting RF accelerator. This talk will give an overview of the electromechanical properties of SC cavities and discuss couplers and tuners for the next generation of high-gradient superconducting RF accelerators, such as the rare-isotope driver linac (AEBL, RIA), and the international linear collider (ILC).

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