

MAIN LINAC ISSUES AND EVOLVING TEST FACILITIES

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Abstract

This talk will focus on ILC Main Linac issues and how they can be addressed via various existing test facilities or by those planned or under construction. The talk will focus on ILC main linac component test facilities in the U. S. Facilities described will include Vertical test setups to test bare SCRF cavities to demonstrate maximum achievable accelerating gradient. Horizontal testing of cavities equipped with tuners and couplers and the ILC RF unit test facility at Fermilab. Test facilities existing or under construction at DESY and KEK will also be described for context.

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