

ACCELERATOR SEMINAR

“Compact ERL Project in Japan and Its SRF Activity”

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The Compact ERL, which is a test facility of the ERL, is now under construction at KEK. Beam operation of 10-100mA and 35-200MeV is planned. Its aims are demonstration of some critical technologies, such as electron gun, superconducting cavities and so on. I will report about the plan of the project and the status of R&D works. I will also focus on development of SRF cavity for the ERL main linac, which is an ERL Optimized 9-cell cavity. I show its design concept and results of vertical tests. Cavity diagnostic system, which is rotating X-ray and temperature mapping system, shows interesting results.

Thursday, February 3, 2011

11:00 a.m.

CEBAF Center, Room A110

Coffee before seminar beginning at 10:45 a.m.