SRF 2011 Tour of FNAL SRF facilities

When: Friday July 29, 2011

Buses Depart: Sheraton at 1 PM from the conference entrance

Buses Return: Sheraton about 5:30 PM at the conference entrance

Tour Logistics: Rich Stanek (FNAL) rstanek@fnal.gov

Maximum number of people on tour is 160.

There will not be a charge for the tour.

A box lunch will be provided on the bus.

Bus ride to Fermilab will be about 1 hr depending on traffic.

The tour will be about 2 hrs. Upon arrival we will divide into smaller groups for the tours to various areas. All tour subgroups will visit all areas.

Facilities that will be visited:

**Industrial Building 1:** SRF Vertical Test System (VTS, one operational system, two others being installed

**Industrial Center Building:** Cryomodule final assembly, assembly fixtures, and parts for several ILC/Project X 1300 MHz cryomodules, Cavity optical inspection system.

**Industrial Building 4:** New vacuum oven for 1300 MHz cavities, new high pressure rinse (HPR) system, New single cell processing facility, 9-cell Electro-polish facility, cavity tumbling machine, tumbled cavities, CMM cavity inspection facility, automatic cavity tuning machine and RF test lab

**MP9:** Cavity dressing and cryomodule string assembly, large clean room for string assembly, cryomodule assembly fixtures, titanium He vessel welding area, many dressed 1300 MHz cavities, 2nd new large vacuum oven for 650 MHz cavities and 325 MHz spoke resonators being installed.

**MDB:** SRF dressed cavity test facility: Horizontal Test Sytem (HTS) for testing dressed 1300 MHz and 3900 MHz cavities, dressed 325 MHz spoke resonator test facility, Project X front end test facility including 325 MHz RFQ

**NML:** RF unit test facility: photo-injector, SRF capture cavity, cryomodule 1, 300 KW, 5 MW, 10 MW RF systems, control room, cryo-plant, new tunnel extension, new building for Project X cryomodule test facility