

SRF 2011 Tour of ANL 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: Tom Reid (ANL) treid@anl.gov

Maximum number of people on tour is 50.

There will not be a charge for the tour.

A box lunch will be provided on the bus.

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

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

Facilities that will be visited:

ANL/FNAL Superconducting Cavity Surface Processing Facility (building 208):

- Clean room for HPR and assembly of 1.3 GHz e-cell cavities
- Clean room and HPR system for various cavity types, including elliptical-cell, quarter-wave, half-wave spoke cavities
- Ante-room for ultrasonically cleaning cavities.
- Chemistry room #1 with the electropolishing tool for ILC 1.3 GHz 9-cell and single cell cavities.
- Chemistry room #2 with the electropolishing tool for co-axial quarter- and half-wave cavities (and proposed Project X 650 MHz 5-cell/single cell cavities).
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ATLAS and SC Cavity Test Area (building 203)

- ATLAS ECR source, CARIBU and charge breeder
- SC Cavity test area including large vertical test cryostat for various cavity types and a 24" dunk test dewar for new SPX cavities for the Advanced Photon Source
- ATLAS Positive Ion Injector SRF Linac

- ATLAS Energy Upgrade Cryomodule with 7 high-performance quarter-wave cavities

Other SRF Activities of Interest

- Atomic Layer Deposition: Please contact Thomas Proslie, proslie@anl.gov
- SPX at the Advanced Photon Source: Please contact Ali Nassiri, nassiri@aps.anl.gov