

Session Program

Jul 16 - 17, 2012

7th SRF Materials Workshop

Session 5b - Nb Characterization (cont.)

Jefferson Lab, CEBAF Center F113

Tue, July 17

1:30 PM

Session 5b - Nb Characterization (cont.)

Session | **Location:** Jefferson Lab, CEBAF Center F113 | **Conveners:** Peter Lee, Alexander Romanenko

1:30 - 1:45 PM **LEAP investigations of hydrogen precipitates in SRF niobium**

Speaker
David Seidman

1:45 - 2:00 PM

In-situ study of Nb oxide and hydride for SRF cavity applications using electron energy loss spectroscopy

Speaker
Runzhe Tao

2:00 - 2:15 PM

Scanning Tunneling Microscopy Studies of Single-Crystal Niobium Oxidation

Speaker
Natalie Kautz

2:15 - 2:30 PM

Atomic-scale characterization of niobium for SRF cavities using ultraviolet laser-assisted local- electrode atom-probe tomography and aberration-corrected transmission electron microscopy

Speaker
YoonJun Kim

2:30 - 3:00 PM **Discussion - Nb characterization**

3:00 PM