

# Working Group 3

## Talks and Discussions on SRF Topics

Convener

Wolf-Dietrich Moeller, DESY

Peter Kneisel, JLab

# Program

## WG-3 Session 1: Description: Open Discussions and Talks on SRF Topics Wednesday, March 2, 2011

### Surface Treatments, New Procedures

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| 12:30 Progress in Barrel Polishing (20')   | Charlie Cooper ( <i>FNAL</i> )                     |
| 12:50 New and Improved Methods for Characterizing Nb Surface Roughness (20')               | Charles Reece ( <i>JLAB</i> )                      |
| 13:10 Surface Roughness Investigations on Niobium Samples using Optical Profilometry (20') | Guenter Mueller ( <i>University of Wuppertal</i> ) |

### 13:30 – 14:30 Lunch

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|---|--------------------------------|
| 14:30 Exploration of Post EP Cleaning on End-Group of ILC-type Cavities (20') | Kenji Saito ( <i>KEK</i> )     |
| 14:50 In-Situ Measurements of Material Removal During BCP (20')               | Mircea Stirbet ( <i>JLAB</i> ) |
| 15:10 An Inexpensive Inspection System for Nb Cavities (15')                  | Mircea Stirbet ( <i>JLAB</i> ) |
| 15:25 Progress of MO Seal (15')   | Kenji Saito ( <i>KEK</i> )     |
| 15:40 Horizontal EP of a Dressed 1.3 GHz 9-cell Cavity (20')                  | Joe Ozelis ( <i>FNAL</i> )     |
| 16:00- 16:30 Coffee Break (30') (Foyer )                                      |                                |

### Recent Progress with Cavities

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|--|---------------------------------|
| 16:30 Recent Ichiro 9-Cell Progress by JLAB/KEK (25')                | Kenji Saito ( <i>KEK</i> )      |
| 16:55 Update on Seamless Cavity Measurements (20')                   | Waldemar Singer ( <i>DESY</i> ) |
| 17:15 Superconducting Photo-Injectors: Status of BESSY Systems (20') | Oliver Kugeler ( <i>BESSY</i> ) |
| 17:35 Discussion (25')   |                                 |

# Program, cont'd

WG-3 Session 2: Description: Open Discussions on SRF topics  
Thursday, March 3, 2011

## Discussion Topics

9:00 How Important is the Surface Finish/Roughness in Determining the Performance of Niobium Cavities?

Introduction to the Topics (15')

Peter Kneisel (*JLAB*)

9:15 Discussion (25')

9:40 Is Hydrogen in Niobium (besides Q-Disease) Responsible for Performance Limitations?

Introduction to the Topic (15')

Ganapati Myneni (*JLAB*)

9:55 Discussion (25')