

7th International Workshop on Thin Films and New Ideas for Pushing the Limits of RF Superconductivity

Thursday, July 28, 2016

RF Behavior: Surface impedance and trapped magnetic flux; Q-drop mechanisms; Thermal boundary impedance between film and substrate and liquid helium (2:10 PM - 3:50 PM)

-Conveners: Tobias Junginger

time	[id] title	presenter
2:10 PM	[21] A Test Cavity & Cryostat for Rapid RF Characterization of Superconducting Materials	Dr WELANDER, Paul
2:35 PM	[22] Material study results and performance of the Cornell TE-mode sample host cavity	Mr HALL, Daniel
3:00 PM	[23] Progress of the Commissioning of the Choked Resonator Cavity for SRF Thin Film Measurements	Dr PHILIPPE, Goudket
3:25 PM	[24] Activities on SRF Thin Film study at KEK and Kyoto University	Dr SAEKI, Takayuki

RF Behavior: Surface impedance and trapped magnetic flux; Q-drop mechanisms; Thermal boundary impedance between film and substrate and liquid helium - CEBAF Center F113 (4:10 PM - 5:50 PM)

-Conveners: Sarah Aull

time	[id] title	presenter
4:10 PM	[25] RF dissipation due to nonlinear dynamics of Josephson vortices in polycrystalline TFSRF structures	SHEIKHZADA, Ahmad
4:35 PM	[36] New insight into flux trapping ratio and added surface losses due to trapped flux	Mr HUANG, Shichun
5:00 PM	[26] Thermal boundary resistance for superconducting cavities	Prof. PALMIERI, Vincenzo

RF Behavior: Discussion - CEBAF Center F113 (5:50 PM - 6:35 PM)

-Conveners: Tobias Junginger; Xiaoxing Xi; Enzo Palmieri; Sarah Aull