



# TTC/ARIES topical workshop on flux trapping and magnetic shielding

## Friday 9 November 2018

### Sensitivity to trapped flux: Part 1 - 30/7-018 - Kjell Johnsen Auditorium (09:00 - 10:30)

-Conveners: Mattia Checchin; Akira Miyazaki

time	[id] title	presenter
09:00	[34] Introduction to the session	MIYAZAKI, Akira
09:03	[35] Trapped flux sensitivity studies as a function of: treatment, RF field and frequency	MARTINELLO, Martina
09:20	[36] Overview of flux trapping at Cornell	MANISCALCO, James
09:37	[37] Sensitivity to trapped flux in high-purity large-grain niobium based on cavity measurements	GENG, Rongli
09:54	[38] Flux trapping investigation in superconducting samples via the quadrupole resonator	ARZEO, Marco
10:11	[39] Reports on sensitivity measurements at KEK	UMEMORI, Kensei
10:18	[40] Optimization of High Temperature N2 Doping for Minimization of Sensitivity to Trapped Flux and Maximization of Quench Fields	BAFIA, Daniel

### Sensitivity to trapped flux: Part 2 - 30/7-018 - Kjell Johnsen Auditorium (11:00 - 12:30)

-Conveners: Akira Miyazaki; Mattia Checchin

time	[id] title	presenter
11:00	[41] Dissipation caused by oscillating vortices in the SRF cavities	GUREVICH, Alexander
11:25	[42] Trapped flux sensitivity in the low amplitude radio-frequency regime	Dr CHECCHIN, Mattia
11:42	[43] A simple model for the RF field dependence of the trapped flux sensitivity based on a non-linear pinning force	VAGLIO, Ruggero
11:59	[44] Vortex dynamics and hysteretic flux losses due to pinning	LIARTE, Danilo
12:16	[45] Discussion	