

CHATS on Applied Superconductivity 2019

Wednesday, 10 July 2019

Session V: Electro-thermal modeling (11:20 - 12:50)

-Conveners: **Monika Lewandowska; Dariusz Bocian**

time	[id] title	presenter
11:20	[54] Thermal analysis of AC loss heated Nb ₃ Sn coil samples for the High Luminosity upgrade of the LHC.	PUTHRAN, Kirtana
11:50	[55] Electro-thermal 1D model of the SIS100 superconducting dipole magnet.	SZWANGRUBER, Piotr
12:20	[56] PSpice modeling of the inrush and fault currents in a 21 MVA HTS transformer.	SURDACKI, Pawel

Session V: Electro-thermal modeling (14:10 - 15:10)

-Conveners: **Monika Lewandowska; Dariusz Bocian**

time	[id] title	presenter
14:10	[57] 1D and 2D finite-element approaches to extract the resistivity of the superconductor material from pulsed current measurements on HTS commercial tapes.	RIVA, Nicolo'
14:40	[58] Analysis of Current Distribution during Quench in a Pancake coil wound with REBCO Roebel cable.	BRESCHI, Marco