



# MT26 Abstracts, Timetable and Presentations

## Monday 23 September 2019

### Mon-Mo-Or3 - Quench and Normal Zone Behavior I - Regency EF (11:15-12:45)

-Conveners: Fedor Gömöry; Haigun Lee

time	[id] title	presenter
11:15	[1598] Mon-Mo-Or3-01: Methods for performance diagnostics for Nb <sub>3</sub> Sn accelerator magnets in the CERN superconducting magnet test facility	WILLERING, Gerard
11:30	[896] Mon-Mo-Or3-02: Overall critical current in tapes and devices made from superconductors with critical current fluctuating along the wire length	GÖMÖRY, Fedor
11:45	[1307] Mon-Mo-Or3-03: Use of Silicon Carbide Varistors For Quench Protection of Superconducting Magnets in Cryogenic Environments	TWIN, Andrew
12:00	[1669] Mon-Mo-Or3-04: Cable Quench Simulations and Current Sharing in REBCO Conductors Wound on Round Cores (CORC) for High Field Accelerator Magnet	SONG, Honghai
12:15	[1551] Mon-Mo-Or3-05: Quench Behaviour of Multi-Layer High Temperature Superconducting CORC Cables used in Hybrid Electric Aircraft	ZHU, Zixuan
12:30	[1493] Mon-Mo-Or3-06: Calibration, validation and application of a novel 1D thermal-hydraulic/electric model for the quench analysis of the Al-slotted core HTS conductor for fusion applications	ZAPPATORE, Andrea