

Session Program

15-16 Sept 2014

Workshop on Beam-Induced Quenches

Session 3: Heat Transfer R&D

CERN, 30/7-018 - Kjell Johnsen Auditorium

Tuesday 16 September

09:00

Session 3: Heat Transfer R&D

Session | **Location:** CERN, 30/7-018 - Kjell Johnsen Auditorium | **Conveners:**
Bernardo Bordini, Dr Gerard Willering

09:00–09:30

Steady-State Heat Transfer in the LHC Superconducting Coils: Status of Experiments and Modelling

Speaker

Pier Paolo Granieri

09:40–10:00

Possibilities of Finite Element Modelling for a Better Understanding of Heat Transfer in Rutherford-Type Cables

Speaker

Erwin Roland Bielert

10:10–10:30

Modeling heat transfer to helium in the stability analysis of Rutherford cables

Speaker

Marco Breschi

10:40–11:10

Coffee

11:10–11:30

Transient heat and mass transfer to superfluid helium Application to superconducting magnet cooling

Speakers

Bertrand Baudouy, Bertrand Baudouy

11:35–11:45

Development of a Novel Method for Exploration of the Thermal Response of Superconducting Cables to Pulse Heat Loads in Superfluid Helium

Speaker

Tiemo Winkler

11:50–12:00

Stability measurements Rutherford type cables

Speaker

Dr Gerard Willering

12:10–12:30

Identification of Damage-Levels of SC Magnets for transient beam losses: Strategy and Plans

Speaker

Dr Daniel Wollmann

13:00