

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Sat-Af-Or4 - Advances in Nb₃Sn and MgB₂ Conductors II

Omni Boston Hotel at the Seaport
450 Summer Street Boston, MA 02210

Saturday 5 July

16:30

Sat-Af-Or4 - Advances in Nb₃Sn and MgB₂ Conductors II

Session | **Location:** Momentum EFG | **Conveners:** Guram Chlachidze, Ariel Haziot

16:30–16:45

Sat-Af-Or4-01: Challenges and Approaches for Introducing Internal Oxidation in Rod-in-Tube Nb₃Sn wires

Speaker

Gianmarco Bovone

16:45–17:00

Sat-Af-Or4-02: Jelly-Roll Processed Nb₃Sn Ultrafine Superconducting Wires

Speaker

Dr Akihiro Kikuchi

17:00–17:15

Sat-Af-Or4-03: Microstructure and heat treatment study of ultrafine Nb₃Sn jelly roll wires

Speaker

Jean-Francois Croteau

17:15–17:30

Sat-Af-Or4-04: Numerical analysis of Nb₃Sn wires under compression

Speaker

Michela Bracco

17:30–17:45

Sat-Af-Or4-05: Magneto-thermal stability of Nb₃Sn wires: a laser-induced quench approach

Speaker

Joanna Kuczynska

17:45–18:00

Sat-Af-Or4-06: Optimization of critical current density at 16 Tesla in Nb₃Sn superconducting wires fabricated in WST

Speaker

Pengju Li

18:00–18:15

Sat-Af-Or4-07: Fabrication of km-class MgB₂ wires by the internal magnesium diffusion method in WST

Speaker

Wei Xie

18:15–18:30

Sat-Af-Or4-08: Effect of the Filament Diameter Size on the Hysteresis Loss of Nb₃Sn Wires

Speaker

Prof. Bo Wu

18:30