

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Thu-Mo-Po.05 - Mechanical Behavior and Stress ***I***

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

Thursday 3 July

08:45

Thu-Mo-Po.05 - Mechanical Behavior and Stress I

Poster Session | **Location:** Ensemble Ballroom, Level 2 | **Conveners:** Rebecca Riccioli, Gianluca Vernassa

Thu-Mo-Po.05-01: [Invited] Nb₃Sn React-and-Wind Racetrack Coil as a Demonstration of Strain Management

Speaker

Yuta Ebara

Thu-Mo-Po.05-02: Research on Axial Tensile Characteristics of High Current CORC Cable

Speaker

Yangyang Shi

Thu-Mo-Po.05-03: Critical Current Reduction as a Function of Two-Dimensional Bending Radius for Two CORC® Cables

Speaker

Michael Naus

Thu-Mo-Po.05-04: Effect of transversed compressive stress on CORC in visualized Micro-CT images.

Speaker

Mr Yang Guo

Thu-Mo-Po.05-06: Research on the mechanical performance of REBCO CICC sub-cable for fusion reactor

Speaker

Guanyu Xiao

Thu-Mo-Po.05-07: The effect of cool down and external magnetic field induced mechanical damage in epoxy-impregnated REBCO magnet

Speaker

Zhaoran Wang

Thu-Mo-Po.05-08: Finite Element Approach for Calculating Stress Distribution in Non-Circular High-Temperature Superconducting Coils

Speaker

Zhihua Li

10:45