



Contribution ID: 28

Type: **Invited Oral**

A physic-guided recurrent machine learning model for long-time prediction of quench dynamics

Wednesday 12 June 2024 14:00 (30 minutes)

This work presents a PGRML model for predicting superconducting tape temperature profiles during a quench. The model accurately forecasts the nonlinear dynamics involved in a drastically reduced computational time with respect to finite element models.

Topic

Innovative methods and tools for modelling large-scale HTS systems

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Session Classification: Session 2: Innovative methods and tools for modelling large-scale HTS systems