

Session Program

20-22 Oct 2026



Superconductivity & Particle Accelerators 2026

Superconductors - Materials and Technologies

The Henryk Niewodniczanski Institute of Nuclear Physics Polish Academy of Sciences, Auditorium
Radzikowskiego 151, Kraków

Tuesday 20 October

14:00

Superconductors - Materials and Technologies

Session |**Location:** The Henryk Niewodniczanski Institute of Nuclear Physics Polish Academy of Sciences, Auditorium, Radzikowskiego 151, Kraków

14:00–14:25

Development of round HTS “SCSC-IFB cables” with small magnetization and low AC loss

Speaker

Prof. Naoyuki Amemiya

14:25–14:50

High-Pressure Engineering of Sm-Based Oxypnictide Superconductors: A Route to High-Performance Superconductivity

Speaker

Shiv Singh

14:50–15:15

Enhanced Oxygen Retention and Superconducting Performance in REBCO HTS Tapes via Controlled Two-Stage Annealing

Speaker

Ashna Babu

15:15–15:40

Radiation Hardening of Metastable Materials at Cryogenic Temperatures: From Irradiation-Induced Defects to Constitutive Modelling

Speaker

Blazej Skoczen

15:40