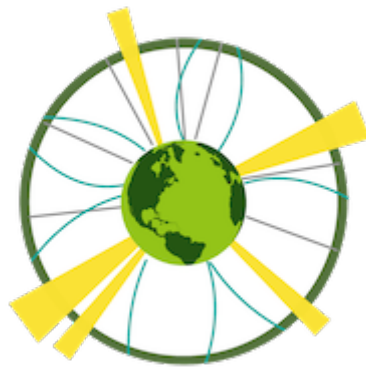


Session Program

8-10 Jul 2026



Sustainable HEP 2026 – 5th Edition

Submitted talks

Wednesday 8 July

16:15

Submitted talks: Large scale projects and policy making - I

Session

16:15–16:30 **News from SC4RC 2026**

Speaker

Rakhi Mahbubani

16:30–16:45

Sustainability recommendations from the European Strategy: a historical perspective

Speaker

Veronique Boisvert

16:45–17:00 **Nikhef's sustainability roadmap**

Speaker

Catharina Vaendel

17:00–17:15

The ULISSE Project: an Opportunity for CERN's waste heat large-scale recycling

Speaker

Mr William van Sprolant

17:15

17:15

Submitted talks: Sustainable computation - I

Session

17:15–17:30 **Open Event Generation**

Speakers

Julie Hogan, Rakhi Mahbubani, Sabine Kraml, Zach Marshall

17:30–17:45

Reducing simulation-related emissions in rare-event searches through optimised event biasing

Speaker

Dr Lachlan Milligan

17:45–18:00 **Energy efficiency of a GPU-based computing system in HEP**

Speaker

Jiahui Zhuo

18:00–18:15 **Reducing the compute used for calorimeter simulation**

Speaker

Henry Day-Hall

18:15

Thursday 9 July

14:45

Submitted talks: Sustainable computation - II

Session

14:45-15:00

Towards Unified Power and Efficiency Monitoring Across the Worldwide LHC Computing Grid

Speaker

Natalia Diana Szczepanek

15:00-15:15

Operational challenges of the Event Processing Nodes GPU farm at ALICE Experiment

Speaker

Federico Ronchetti

15:15-15:30

Carbon-Aware Scheduling for Sustainable Computing

Speaker

Ms Jesica Sabau

15:30

15:30

Submitted talks: Sustainable detector and material development - I

Session

15:30-15:45

Towards more sustainable operation of Resistive Plate Chambers in the Compact Muon Solenoid

Speaker

Joao Pinheiro

15:45-16:00

Sustainable Cryogenic Infrastructure and Solid-State Millimeter-Wave Microwave Technology for Polarized Target System at the University of New Hampshire

Speaker

Muhammad Farooq

16:00

Friday 10 July

15:00

Submitted talks: Sustainable detectors and material development - II Session

15:00-15:15

The CH₄rLiE Project: A Novel Approach to Methane Recovery based on CERN gas recuperation systems

Speaker

Ilaria Vai

15:15-15:30

Long-Term Study of Eco-Friendly Gas Mixtures for RPCs at CERN GIF++

Speaker

RPC EcoGas@GIF++ Collaboration

15:30-15:45

Ageing effects in RPC detectors operated with eco-friendly gas mixtures

Speaker

Liliana Congedo

15:45

16:00

Submitted talks: Sustainable detectors and material development - III Session

16:00-16:15

Environment-friendly gas mixtures for the ATLAS Phase-2 Resistive Plate Chambers

Speaker

Giorgia Proto

16:15-16:30

Matching sustainability and detector longevity for ATLAS RPCs HL-LHC runs

Speaker

Sinem Simsek

16:30-16:45

Designing the next generation of materials for rare-event searches: high-strength, ultra-pure copper-based alloys

Speaker

Dimitra Spathara

16:45-17:00

Study of the properties of sustainable materials for shielding against ionizing radiations

Speaker

Julien Faivre

17:00

17:00

Submitted talks: Large scale projects and policy making - II

Session

17:00–17:15

Assessing Sustainability Performance in Large Research Infrastructures**Speaker**

Falastine Abusaif

17:15–17:30

Developing a Roadmap for Sustainable Cryomodule Design**Speaker**

Nuno Elias

17:30–17:45

GreenPhysECS: Exploring ECS for Energy-Aware Parallel Research Software**Speakers**

Mr Michael Sparks, Mr Mattias Evans, Mr Oluwole Delano

17:45–18:00

Life cycle assessment of the LHCb data centres Overall impacts & preliminary results for Upgrade II**Speaker**

Mr Roman Dandoy

18:00–18:15

Increasing sustainability in the community of Research on Universe and Matter**Speaker**

Andreas Ralph Redelbach

18:15