

The Relentless Pursuit of Openness

Thursday, 11 April 2024 11:45 (45 minutes)

The high-energy physics conducted at the European Organization for Nuclear Research (CERN) represents the world's most complex collective research undertaking. Using the world's largest scientific instruments, experimental collaborations consisting of thousands of researchers from across the world collide particles at unprecedented energies to uncover fundamental answers about the universe and its origins. CERN's Large Hadron Collider is the world's most prolific generator of scientific data, which requires a complex and ever-evolving ecosystem of software and hardware to enable data generation, storage and analysis on an exabyte scale.

The highly complex nature of research at CERN has presented the laboratory with unique challenges in its ongoing pursuit of advancing its scientific agenda through the holistic practice of open science. This talk will highlight the major milestones of open science through CERN's 70-year history and highlight how the institutional landscape has transformed—from adhoc initiatives across the lab—to a comprehensive agenda for openness enshrined in policies and formalized through emerging institutional structures. It will further discuss how, through engagement with key international partners, CERN aims to accelerate the global adoption of open science.

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Session Classification: Keynote