

DISIT Seminar Series

2026



Wednesday 01st
APRIL



14.30 - 15.30



Room 203



Physics with Particle Colliders

[Dr. Michelangelo Mangano](#)

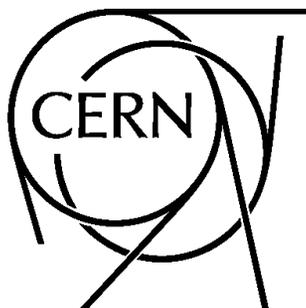
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Physics with Particle Colliders

[Dr. Michelangelo Mangano](#)

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Colliding high-energy elementary particles makes it possible to explore the laws of physics at the most fundamental level, to isolate the building blocks of the universe, and to understand the origin of their interactions. Over the past 50 years, colliders have discovered all the particles predicted by the Standard Model of fundamental interactions, culminating in the discovery of the final missing element, the Higgs boson, in 2012. This talk will illustrate the role of colliders in addressing the major open questions of particle physics, in the context of the current and upcoming programs of CERN's Large Hadron Collider (LHC), as well as future projects.

