

Title: “Generalized Symmetries and Particle Physics”

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Abstract



Historically, symmetry has played an indispensable role in the progress of fundamental physics. In recent years, the notion of symmetry has undergone an almost explosive expansion, and we now refer to these as "Generalized Global Symmetries" or simply "Generalized Symmetries." In this talk, I will introduce the basic concepts and types of generalized symmetries.

Then, I will discuss recent progress in which these new tools have helped us achieve a deeper understanding and create new solutions to important puzzles in particle physics.

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DECEMBER 2024

10.00 am (CET)

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