Schroedinger Lecture 2019

Monday, 27 May 2019, 14:15 h, ETH Zurich, Hönggerberg, lecture hall HPH G3

Speaker: Prof. Lance Dixon, Stanford University, SLAC National Accelerator Laboratory, USA

Particle Scattering and Number Theory

From the softest of interactions of a magnetic field with an electron, to the most violent collisions at the Large Hadron Collider, precision quantum field theory produces numbers and functions with interesting number-theoretic properties. In many examples a co-action principle holds, an invariance under a "cosmic" Galois group. I will provide several arenas in which this principle can be seen at work, including perhaps the richest set of theoretical data, scattering amplitudes in planar N=4 super-Yang-Mills theory.

Short courses on "The Hexagon Function Bootstrap for Planar N=4 Super-Yang-Mills Theory"
Monday, 3 June 2019, 10:30 h
Wednesday, 5 June 2019, 10:30 h
Friday, 7 June 2019, 10:30 h
ETH Zurich, Hönggerberg, lecture room HIT E 41.1

More Information: www.paulicenter.ch

Apero
after Monday
Lecture
(27 May 2019)

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