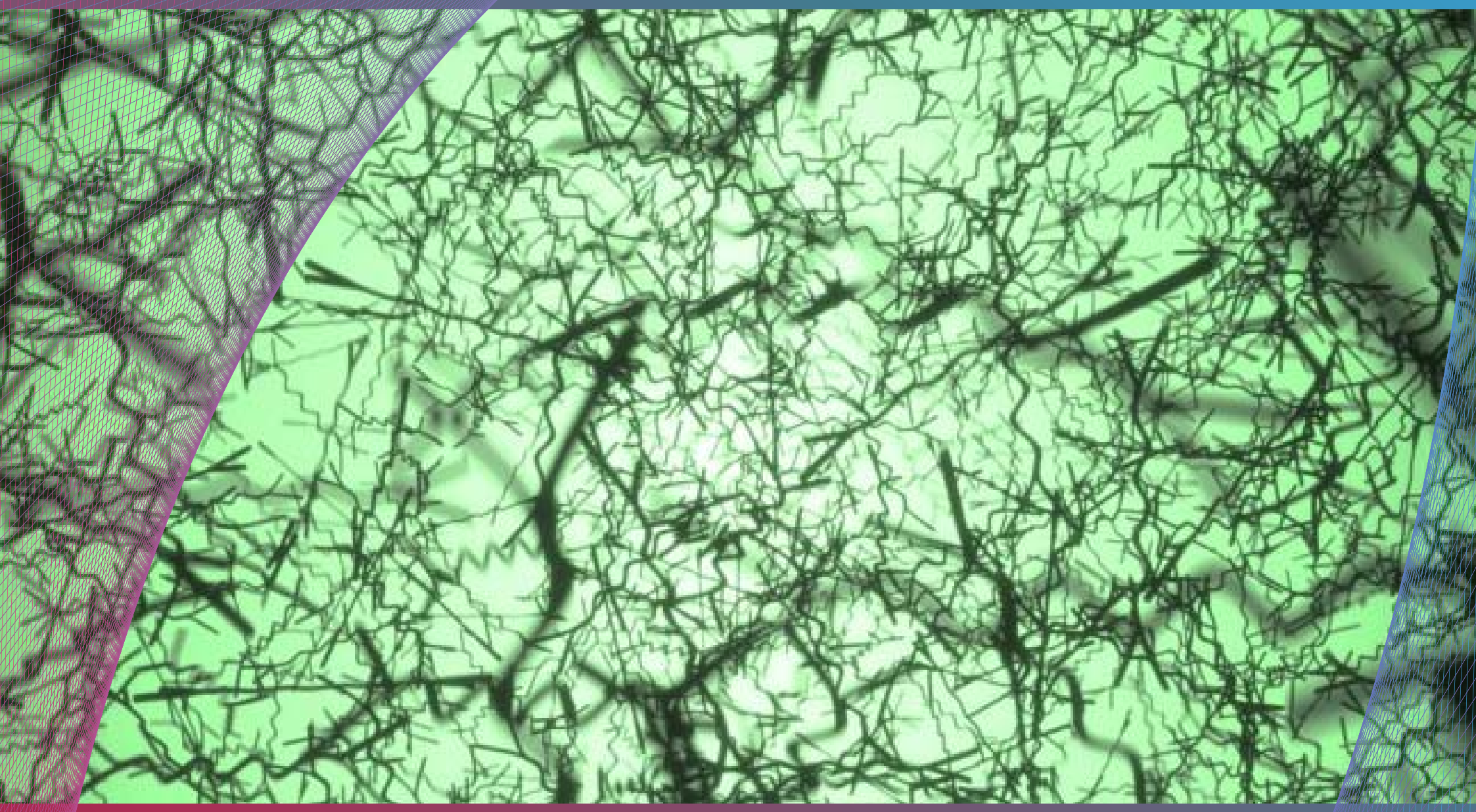
PHYSICS COLLOQUIA 2021/2022



Johannes Henn | Max-Planck-Institut für Physik (DEU)

RECENT DEVELOPMENTS FOR SCATTERING AMPLITUDES

ore 14:30 | **AULA A** | DIPARTIMENTO DI FISICA

20 may 2022

Scattering amplitudes describe the interactions of elementary particles in quantum field theory.
I will discuss modern methods that are important both for making predictions for collider experiments,
as well as for foundational mathematical physics studies.
Examples are the mathematics of Feynman loop integrals,
bootstrap methods based on symmetries and analytic properties,
and novel geometric formulations of scattering processes.

UNIVERSITÀ DEGLI STUDI DI MILANO
DOTTORATO DI RICERCA IN FISICA
ASTROFISICA E FISICA APPLICATA

DIPARTIMENTO DI FISICA
via Celoria 16 | 20133 MILANO
Tel. +39 02 50317740
http://phd.fisica.unimi.it | phd@fisica.unimi.it

progetto grafico: roberto perego | www.nonacaso.it