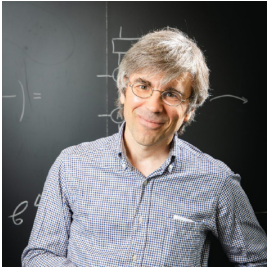


2025 Jacques Solvay International Chair in Physics



Professor Vyacheslav Rychkov

IHES, Bures-sur-Yvette, France

As part of the 2025 Jacques Solvay Chair in Physics, Prof. Rychkov will give three lectures at ULB on the following dates:

Tuesday 15 April | 11:30 AM - 1:00 PM | Solvay Room
Wednesday 16 April | 2:00 PM - 3:30 PM | Solvay Room
Thursday 17 April | 2:00 PM - 3:30 PM | Solvay Room

Analyticity in Quantum Field Theory

Abstract: Analyticity of observables plays a major role in the S-matrix bootstrap. This blackboard course will revisit the basic notions and classic results of analyticity, according to the following plan:

1. Analyticity in position space. Edge-of-the-wedge theorem.
2. Analyticity in momentum space. Generalized retarded functions. Steinmann sphere.
3. Crossing. Bros-Epstein-Glaser theorem.

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