

Seminar

Prof. Rupert Frank

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Stability of matter: The 50th anniversary of the Lieb–Thirring proof

Wednesday, November 26, 2025

16:00 h

ESI, Boltzmann Lecture Hall

Abstract:

In September 1975, Lieb and Thirring published their foundational paper ‘Bound for the kinetic energy of fermions which proves the stability of matter’. We give a non-technical introduction to this problem, explain the insights of Lieb and Thirring, as well as the ramifications of their work.

This seminar is part of the workshop on “Quantum Many-body Systems and Bose-Einstein Condensation: A Mathematical Physics Perspective” taking place at the Erwin Schrödinger Institute from November 24 - 28, 2025.

R. Seiringer

November 19, 2025