

Spectral Theory and Dynamics of Quantum Systems

GRADUIERTENKOLLEG 1838

Guest lecture

Prof. Ari Laptev

Imperial College London

**Carlson-Landau inequalities and spectrum of
magnetic Schrödinger operators**

March 2nd, 2015

10:00 - 11:30 h

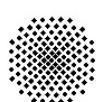
University of Stuttgart, Campus Vaihingen

Pfaffenwaldring 57, Room 8.122

Abstract:

We prove refined first-order interpolation inequalities for periodic functions and give applications to various improvements of the Carlson-Landau type inequalities and to magnetic Schrödinger operators.

This is a joint work with A.Iljin, M.Loss and S.Zelik.



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