

**Mathematisches Oberseminar** *PDG und Spektraltheorie* (SoSe 2015).

**Date:** 16.06.2015.

**Time and place:** **16:15** in B 134.

**Speaker:** Rafael Tiedra (Pontifical Catholic University of Chile).

**Titel:** *Spectral and scattering properties at thresholds for the Laplacian in a half-space with a periodic boundary condition.*

**Abstract:**

For the scattering system given by the Laplacian in a half-space with a periodic boundary condition, we derive resolvent expansions at embedded thresholds, we prove the continuity of the scattering matrix, and we establish new formulas for the wave operators.

This is a joint work with Serge Richard (University of Nagoya).

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