

# On the distribution of the discrete spectrum of a Schrödinger operator on a waveguide.

Stanislas Kupin

Bordeaux,  
France

In this talk, we present a general method for the study of the discrete spectrum of a (possibly complex) perturbation of a self-adjoint operator as suggested in Borichev-Golinskii-Kupin [2009, 2016]. We also discuss its application to the spectral analysis of a Schrödinger operator on a waveguide. This is a joint work with Ph. Briet, V. Bruneau and L. Golinskii.