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## DISPERSIVE ESTIMATES FOR THE SCHRÖDINGER EQUATION WITH A MAGNETIC POTENTIAL

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In this talk, we will discuss dispersive estimates such as  $L^1 - L^\infty$ , Strichartz and Kato smoothing for the Schrödinger equation  $iu_t + \Delta u + Lu = 0$ , where  $L$  is the sum of a scalar and a magnetic potential. We will also mention some applications to nonlinear PDE's.

**Date:** Wednesday, June 6, 2007

**Time:** 15:30

**Place:** IMBM Seminar Room