Meeting: 1003, Atlanta, Georgia, SS 27A, AMS-SIAM Special Session on Analysis and Applications in Nonlinear Partial Differential Equations, I

1003-35-1051 **Christopher D Sogge***, Department of Mathematics, Johns Hopkins University, Baltimore, MD 21093. *L^p estimates for eigenfunctions of the Laplacian in manifolds with boundary.*

I shall present joint work with Hart Smith. We obtain sharp results for the L^p norm of eigenfunctions in domains in the plane and more generally for two dimensional compact manifolds with boundary. (Received October 03, 2004)