1077-42-670 Christopher D Sogge\* (sogge@jhu.edu). Problems related to the concentration of eigenfunctions.

I shall go over recent work related to concentration phenomena for eigenfunctions. This includes my work with Hamid Hezari and Steve Zelditch on Yau's conjecture for the size of nodal sets, and related estimates for eigenfunctions. (Received September 09, 2011)