William Dorland, University of Maryland

"Recent Advances in the Theory of Magnetized Plasma Turbulence"

abstract
First principles simulations of turbulence in hot, magnetized plasma are widely used to help interpret experimental data from magnetic confinement experiments. Consequently, the most important sources of the turbulence that limits the confinement of energy in tokamak experiments have been identified. In this talk, I will briefly review this progress, and then focus on explaining recent advances in our developing understanding of the dynamics of the turbulence itself.

Refreshments to follow in room 2-222 Leonard Lounge