**Research Overview**

***Look for possible collaborations in departments of mathematics?***

**UW** – I would be interested in a project with Professor Aurel Bulgac, with some possible projects being extending my current study of shear viscosity in the unitary Fermi gas, studying the superfluid transition in the like, or in studying vorticity and turbulence in quantum fluids. On the other hand, I would be interested in a project with Professor Sanjay Reddy studying hydrodynamics and transport in neutron stars.

**MIT – Krishna Rajagopal**, Would possibly be interested in collaborating with Professor John Bush in Applied Mathematics, who investigates droplets walking on a rotating, vibrating fluid.

**Michigan State** –

**Princeton** – I would be interested in a project studying relativistic hydrodynamics with Professor Steven Gubser

**CU** – obviously, I would be interested in working with Paul, which could include possible collaborations with Ana Maria Rey. Alternatively, I would be interested in working with Oliver DeWolfe or Tom DeGrand

**Stony Brook** – Derek Teaney

**NC State** – T. Schafer

**UC Berkeley** – Robert Littlejohn, LBNL Heavy Ion Fusion Science

**Yale** – Yoram Alhassid (cold atomic Fermi gases), Francesco Iachello (Bose-Fermi systems, older and well-established), R. Shankar (Fermi liquids and such, analytical),Steve Girvin

**University of Chicago** – QCD,