GRADUATE COLLOQUIUM

Wednesdays, 13-15 (FIM Tea to follow)

Hermann Weyl Zimmer (HG G43, ETH Zentrum)

Speaker: **Antoine Praz**

Title: **A proof of Luttinger's theorem**

Date: Wednesday, November 12th

Abstract: After having explained the notion of electron gaz, I will introduce quantum field theory in order to study the behavior of many interacting fermions. Renormalization group ideas will be used to prove some fundamental results in condensed matter physics, as for example, Luttinger's theorem.

`http://www.math.ethz.ch/graduate/colloquium`