

Speaker: **Emanuel Carneiro** - ICTP, Italy

Minicourse 1: Introduction to Real Analysis

Abstract: This course aims to highlight some of the foundational material in Real Analysis. We will discuss a bit on general measures and the Lebesgue measure, the theory of L^p -spaces, convolution and approximations of the identity, and conclude, if time permits, with a discussion on maximal operators and the Lebesgue differentiation theorem.