

# Sommerfeld Theory Colloquium

Prof. G. Veneziano  
**CERN**

## Strings, black holes, and the information paradox

After having introduced the main physical concepts underlying black holes and fundamental strings, I will discuss a possible connection between the two systems in spite of the apparent discrepancy between their respective entropies. I will then discuss some properties of string collisions at transplanckian energies and suggest that the so-called information paradox is solved by string theory while retaining features of black hole production and evaporation even well below their production threshold.

**Wednesday, 14<sup>th</sup> June 06, 11.15 h , Room 348 / 349, Theresienstr. 37 / III**

Prof. V. Mukhanov