



# CERN Joint EP/PP Seminars

SPEAKER: Dr. Giulia MANCA (INFN Cagliari)  
TITLE: **Searches for Chargino-Neutralino Associated  
Production in Trilepton Events at CDF**  
DATE: Tue 17/06/2008 16:30  
PLACE: Main Auditorium \*\*

## ABSTRACT

I will report the results of the search for associated production of the supersymmetric lightest chargino and the next-to-lightest neutralino in several multi-lepton final states using approximately  $2 \text{ fb}^{-1}$  of 1.96 TeV  $p\bar{p}$  data collected by the CDF-II detector at the Fermilab Tevatron.

The number of events observed in each channel are consistent with the Standard Model expectations. Using these results we set upper limits on the cross-section times branching ratio as a function of the chargino mass in minimal supergravity models.