

Pavia SUSY plans

G. Polesello

INFN Pavia

Past activity

- Historically, deep involvement of Pavia in SUSY group:
 - Early inclusive studies (1993-1994)
 - Exclusive Point 5 and SPS1a analysis
 - Early studies of heavy sleptons
 - Dark Matter
 - Mass reconstruction
 - Light stop
 - 3-lepton ATLFASST study

Recent activity focused on data analysis

- Proposal for a common Italian effort on 2-lepton + jets + E_{miss}
- Development of ARana analysis tool

Plans

- For very early data, main interest of group is measurement of W/Z cross-section
- Interest in SUSY from G. Polesello and A. Rimoldi
- Main topics we would like to be involved in :
 - Validation of ATLFAST II
 - Estimate of Z +jets BG to 2-lep signal, coherently with SM activities of the group
 - Development of analysis tools