

# Some recent theory group highlights



- ◆ News: new (VU) staff member: Juan Rojo
  - ▶ LHC pheno (PDFs) expert, comes with ERC starting grant + 2 postdocs from Oxford
- ◆ Some new public codes:
  - ▶ NNLLFast (for squark-gluino production to NNLL accuracy) is out (Beenakker et al)
  - ▶ VINCIA for hadron colliders is finally out (M. Ritzmann et al)
  - ▶ FORCER: 4-loop(!!!) propagator graphs, with automatic code generation. For splitting functions e.g. (Ruijl, Ueda, Vermaseren, Davies, Vogt)
  - ▶ Axodraw v2 (Collins, Vermaseren)
- ◆ Office product (H353):
  - ▶ Geometry of maximal, 11-D supergravity for exceptional groups (Ciceri, Guarino, Inverso)
- ◆ B-news:
  - ▶ New strategy to explore CP violation with  $B_s \rightarrow K^- K^+$  (Fleischer, Jaarsma, Vos)

