



ATLAS Mainz

Rainer Stamen (Universität Mainz)

LHC D-Workshop: QCD und Elektroschwache Physik

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Manpower

Current work and physics interest



Manpower

4 Professors:

K. Kleinknecht, L. Köpke, H. G. Sander, S. Tapprogge

Postdocs + Permanent Staff

U. Schäfer, R. Stamen, T. Trefzger

PhD - Students

S. Rieke



Current Work

Hardware Development:

- Jet-Energy-Processor for the Level 1 calorimeter trigger
- Testing of DAQ hardware

Trigger Strategy

- Operation model for the ATLAS trigger
- Selection strategy for the Higher Level Trigger
- Implications of prescaling triggers on physics analysis

Trigger Performance

- Signatures with missing E_T and/or Jets



Physics Interest

Search for new physics:

- SUSY and other exotics

Standard Model Physics:

- Jet physics (cross sections, shapes, α_s , ...)
- Energy flow