

ATLAS Activities in DESY group

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Atlas responsibilities

- ATLAS Top-MC group contact (L.Mijovic)
- ATLAS MC tuning forum convenor (J.Katzy)
- ATLAS MC software manager (E.Lobodzinka, J.Kotanski)

ATLAS activities

- Published: MC tuning effort (MC09, AMBT1 see M.Warsinsky's talk)
- Ongoing: Next round of pythia tuning mainly to first ATLAS data sensitive to soft QCD models and to ISR (J.Katzy, S.Piec)
- Validation of Helac for gamma+jets (Z.Quin)

Terascale MC group

- tools contribution

- HepMCAnalysisTool 3.4 released
 - Standalone analysis framework for generator level studies
 - W.Ehrenfeld, S.Johnert, J.Katzy, A.Knutsson, S.Piec
- Used in:
 - GENSER: for validation to upgrade from HepMC2.03.11 to HepMC2.06.X for all experiments
 - ATLAS for generator validation
 - MC schools
 - By summer students

Combined project Terascale & LPC

- Study MLM merging in alpgen + pythia (pt ordered shower), especially effect of pythia tunes (L.Mijovic, J.Katzy together with MLM, P.Skands ++)