Status of the Monte Carlo Code for Simulations of EMEC/HEC Combined Tests

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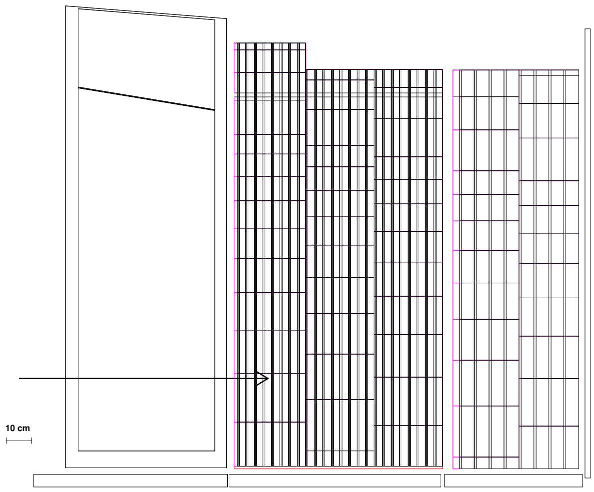
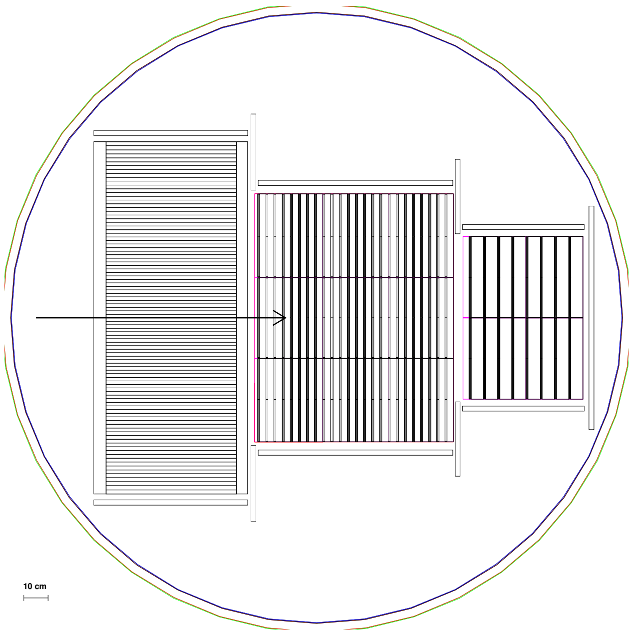
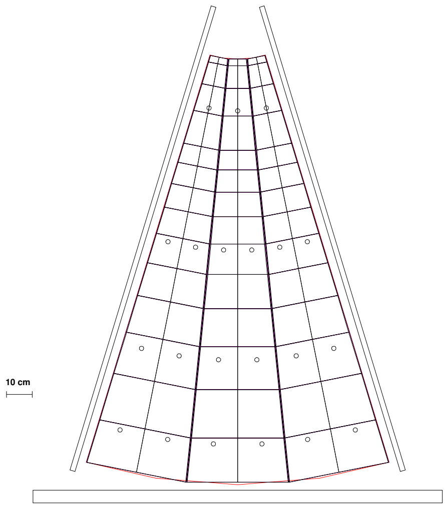
- **Geant3 based code**
- **Simulation framework — Atlsim**
- **Description:**
  - EMEC module (from C. Benchouk and A. Chekhtman)
  - HEC modules
  - "leakage detectors"
  - cryostat
  - H6 beam line elements (MWPCs, scintillator counters)
- **Output: Column-Wise Ntuples**

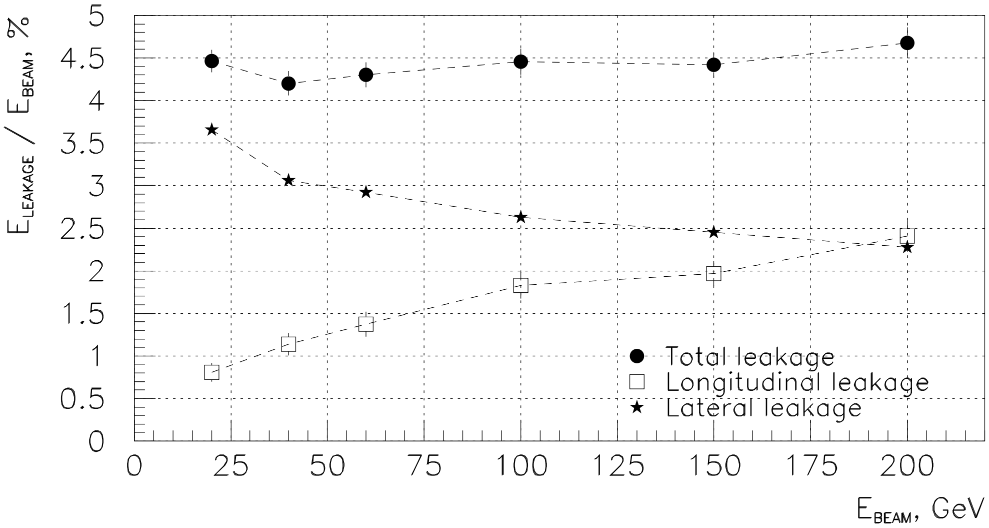
- **Still missing / to be done:**
  - digitization of EMEC (!!!)
  - numbering scheme of ADC channels
  - exact position of modules wrt beam
  - fix output format


10 cm

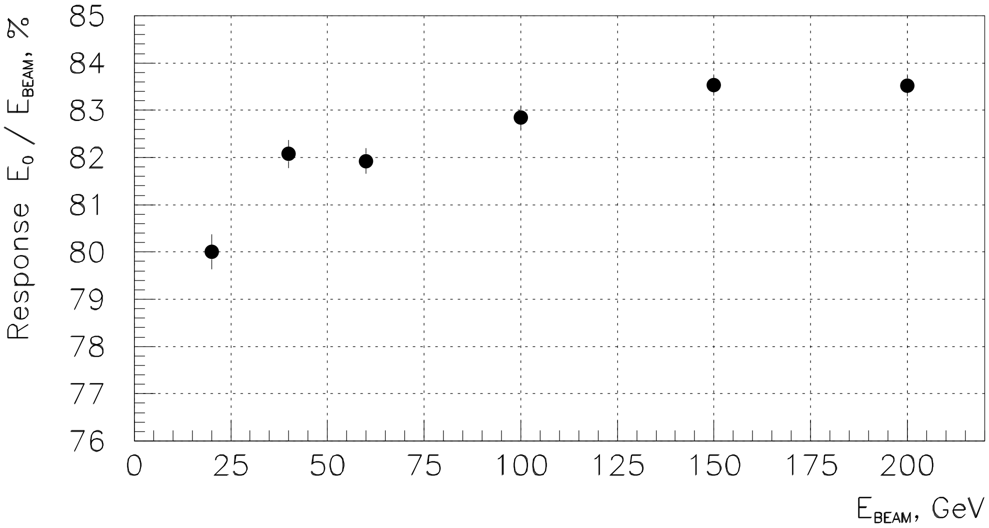

10 cm


10 cm

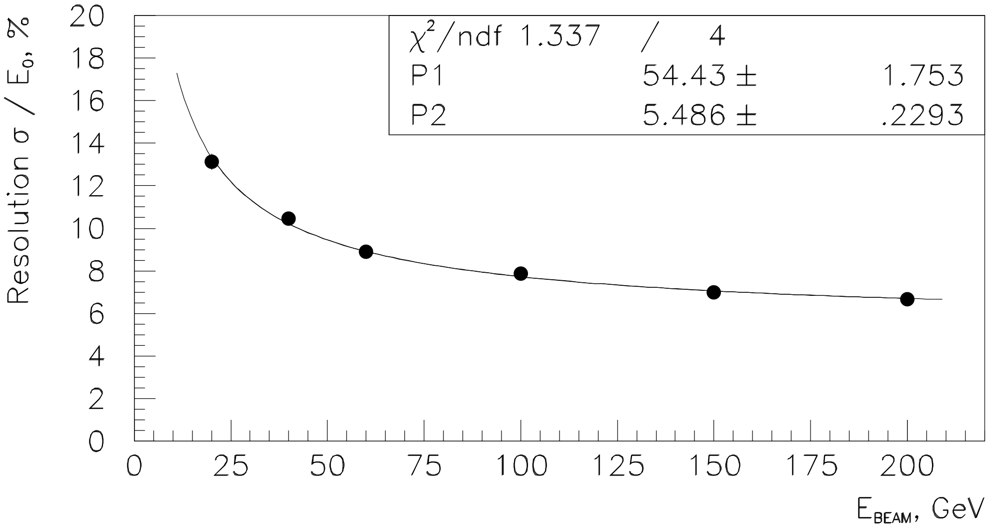
Energy Scan with Charged Pions



Energy Leakage



Energy Response (EM-Scale)



Energy Resolution (EM-Scale)