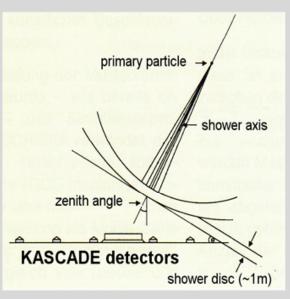
Workflow for KASCADE Measurement and Simulation Data

Measurements





- data acquisition
- event building
- event storage



Simulations

air shower simulation CORSIKA

Input

primary energy E particle ID A shower direction Θ , Φ ...

high energy models QGSjet EPOS Sibvll

low energy model FLUKA



detector simulation

CRES
based on GEANT 3



data reconstruction using KRETA

- data calibration and data correction
- reconstruction of EAS variables like $N_{\rm e},\,N_{\mu},\,$ shower direction, core postion, densities ..
- data storage in root files



Data Analysis

compare measurements with distributions achieved from extensive air shower simulations