

STUDY OF THE COMPOSITION AROUND THE KNEE

The EAS-TOP Collaboration

The knee region is studied through the e.m. and muon detectors data at EAS-TOP. We present analysis of the muon density (for fixed core distances and different zenith angles) vs shower size over a wide energy range and of the "turning point" of the size spectrum in both components. The data are interpreted by means of simulations based on the CORSIKA-QGSJET model. Results on the evolution of the chemical primary composition are presented.