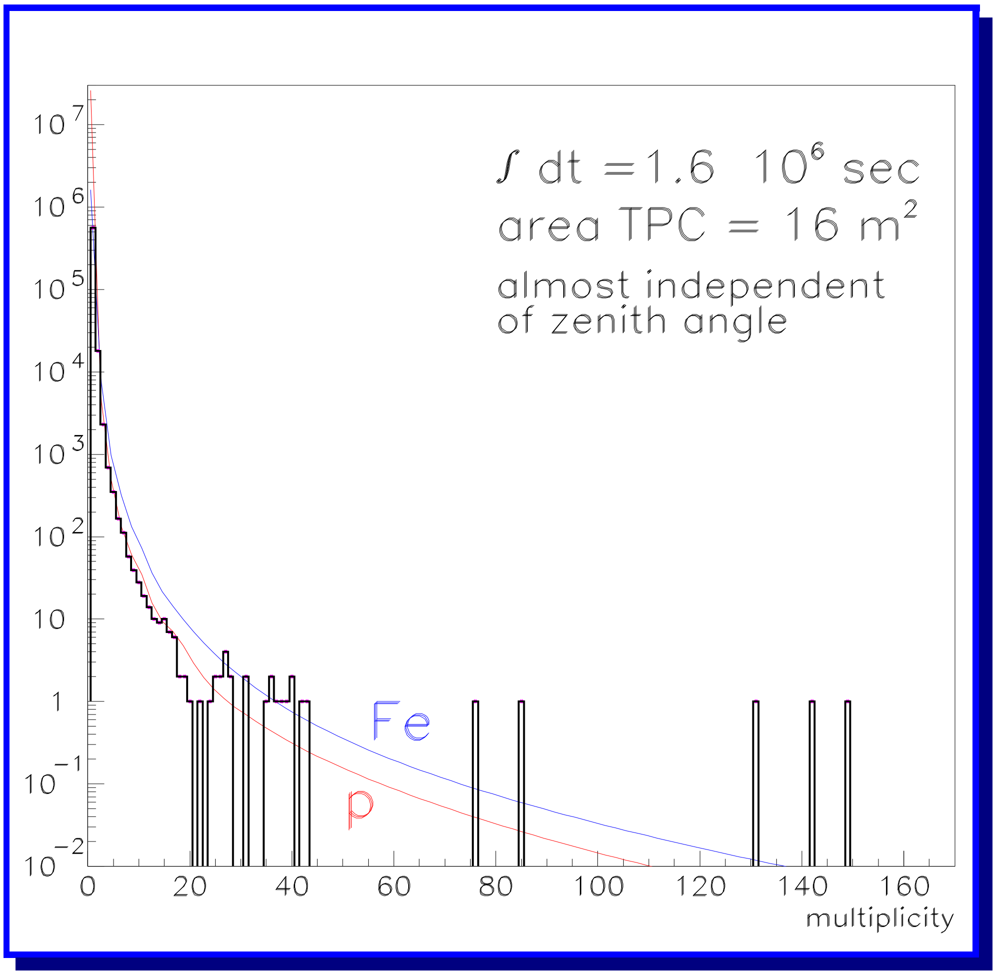
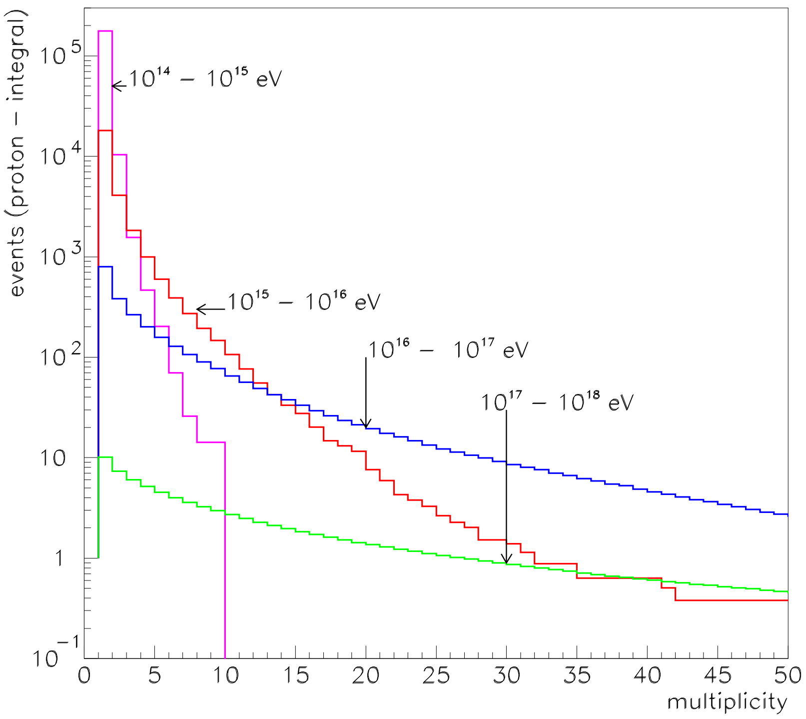
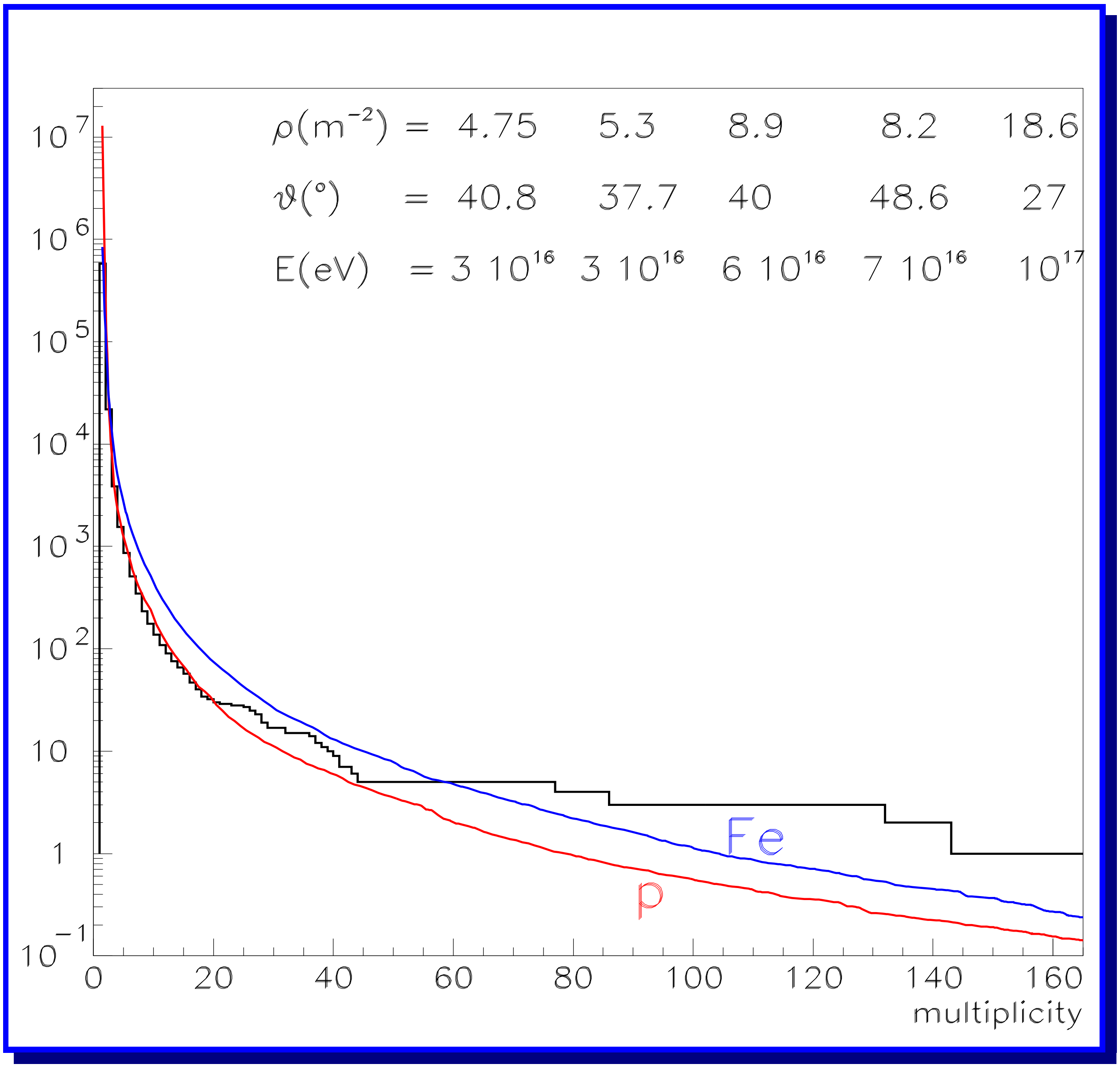
Differential muon multiplicity distribution (TPC)



Contribution of primary energy intervals (protons)



Integral muon multiplicity distribution (TPC)



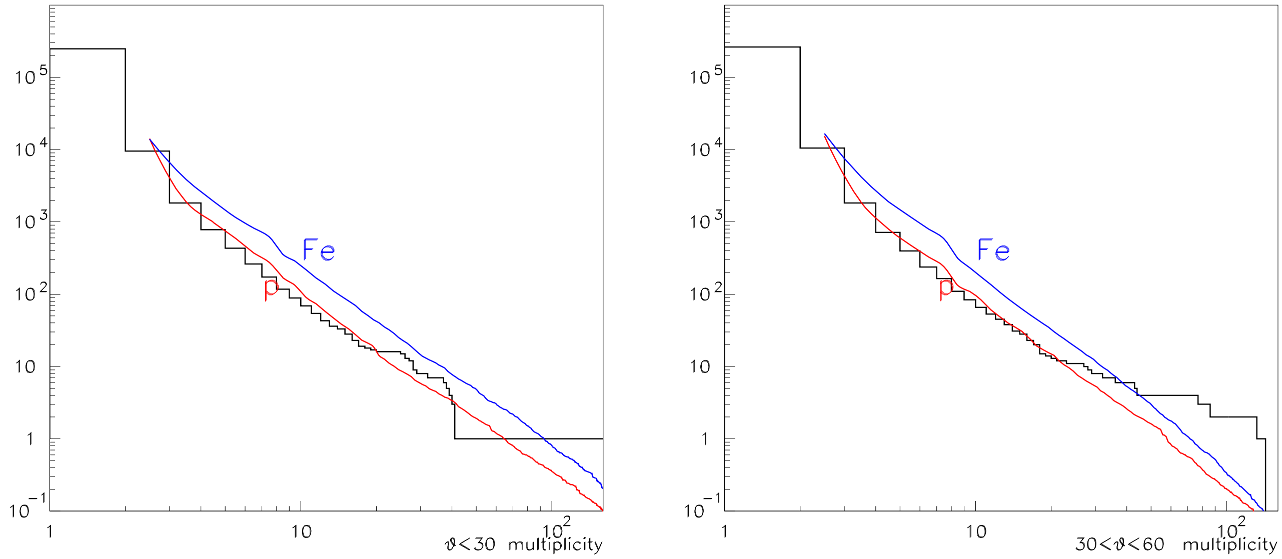
Data from the 1997/98/99 LEP runs

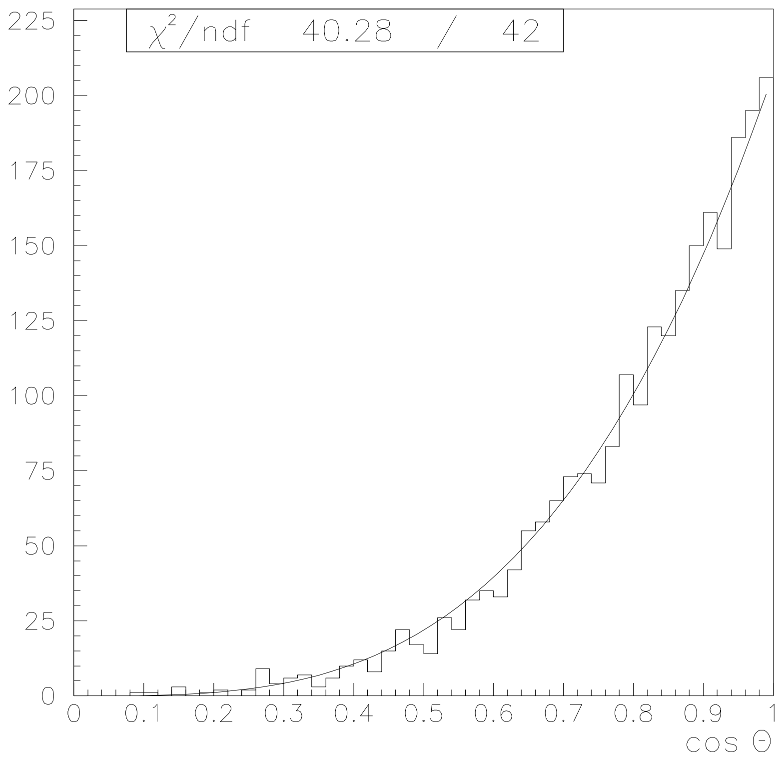
$\int dt = 1.6 \cdot 10^6 sec$

p,Fe curves form CORSIKA Monte Carlo.

The energy of the highest multiplicity events has been calculated assuming the shower center close to the TPC

Integral multiplicity distribution in the TPC for zenith angles $\theta < 30^o$ and $30 \leq \theta \leq 60$





The zenith angle distribution of multi-muon bundles for multiplicities above two.

A power law ($\cos^n \theta$) can be fitted with n=3.2