

## **ATMOSPHERIC NEUTRINO FLUX AND MUON DATA**

G. Fiorentini, **V. A. Naumov** and F. L. Villante  
Dipartimento di Fisica and INFN, Ferrara.

We present a new one-dimensional calculation of low and intermediate energy atmospheric muon and neutrino fluxes, using up-to-date data on primary cosmic rays and hadronic interactions. A comparison with the muon fluxes and charge ratios measured in several modern ballone-borne experiments suggests that the atmospheric neutrino flux is essentially lower than one used in the standard analyses of the data from underground neutrino detectors.