



Fig. 1: Zenith angle dependence of the mean true number of muons at observation level ($E_{\mu} > 1 \text{ GeV}$). The number of muons is normalized to an energy of 10^{18} eV . For zenith angles larger than 40° the traveled distance becomes large and a fraction of the muons decays during the shower development before reaching the observation level of 1552 m a.s.l. . As also in the following figures, the lines and their surrounding bands denote the mean values and the standard deviations.