

Muon Neutrino and Anti-Neutrino Charged-Current Total Cross Section

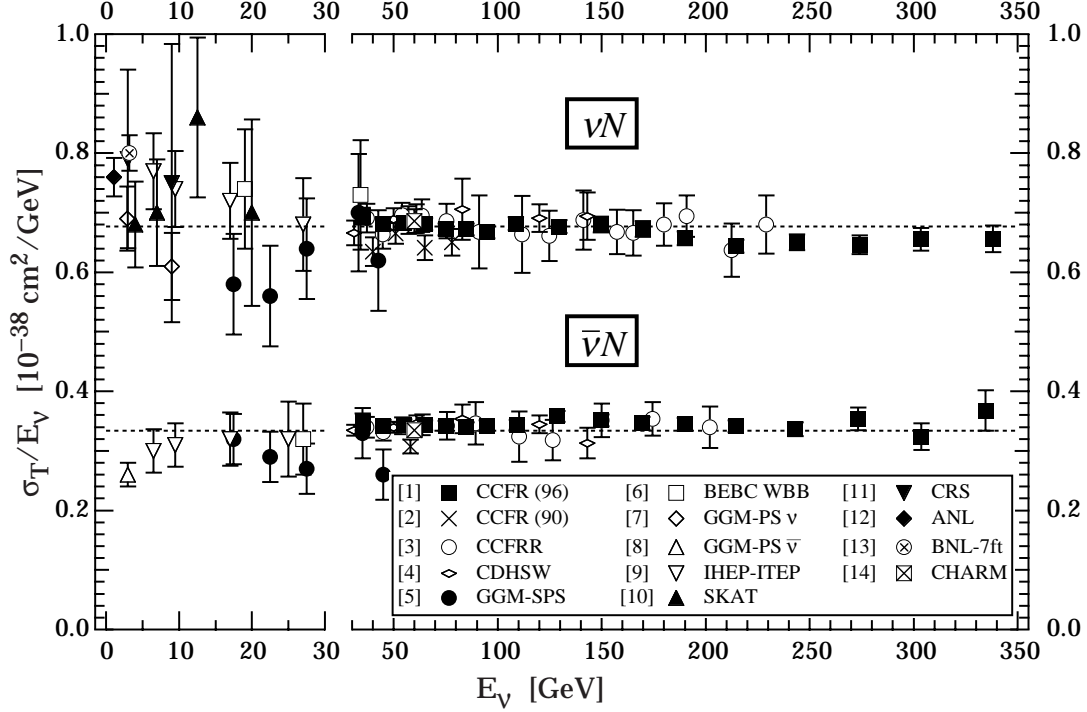


Figure 37.17: σ_T/E_ν , for the muon neutrino and anti-neutrino charged-current total cross section as a function of neutrino energy. The error bars include both statistical and systematic errors. The straight lines are the averaged values over all energies as measured by the experiments in Refs. [1–4]: $= 0.677 \pm 0.014$ (0.334 ± 0.008) $\times 10^{-38} \text{ cm}^2/\text{GeV}$. Note the change in the energy scale at 30 GeV. (Courtesy W. Seligman and M.H. Shaevitz, Columbia University, 2000.)

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