



Figure 1: Deep inelastic cross-section for neutrinos and antineutrinos. (left) Measurements on iron for neutrinos (closed symbols) and antineutrinos (open symbols) from CCFR [1] (squares) and CDHS [2] (statistical error only – triangles). (right) Slope measurements from other experiments. The slope data are from CCFR [1], CHARM [3], FNAL-15' bubble chamber [4, 5], BEBC [6], CITFR [7].

References

- [1] R. Blair *et al.*, “Measurement of the rate of increase of neutrino cross-sections with energy,” *Phys. Rev. Lett.*, vol. 51, pp. 343–346, 1983.
- [2] P. Bergé *et al.*, “Total neutrino and anti-neutrino charged current cross-section measurements in 100-GeV, 160-GeV and 200-GeV Narrow Band Beams,” Tech. Rep. CERN-EP/87-09, 1987.
- [3] J. Allaby *et al.*, “Total cross-sections of charged current neutrino and anti-neutrino interactions on isoscalar nuclei,” *Z. Phys. C*, vol. 38, pp. 403–410, 1988.
- [4] N. Baker *et al.*, “Measurement of the muon-neutrino charged current cross-section,” *Phys. Rev. Lett.*, vol. 51, pp. 735–738, 1983.
- [5] G. Taylor *et al.*, “Anti-muon-neutrino nucleon charged current total cross-section for 5-GeV to 250-GeV,” *Phys. Rev. Lett.*, vol. 51, pp. 739–742, 1983.
- [6] P. Bosetti *et al.*, “Total cross-sections for ν_μ and $\bar{\nu}_\mu$ charged current interactions between 20-GeV and 200-GeV,” *Phys. Lett. B*, vol. 110, pp. 167–172, 1982.
- [7] B. Barish *et al.*, “Measurements of $\nu_\mu n$ and $\bar{\nu}_\mu n$ charged current total cross-sections,” *Phys. Rev. Lett.*, vol. 39, p. 1595, 1977.