

Erratum: Neutrino beams from muon storage rings: Characteristics and physics potential **[Phys. Rev. D 57, 6989 (1998)]**

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 (Published 7 January 1999)

[S0556-2821(99)04903-6]

PACS number(s): 14.60.Pq, 07.77.Ka, 13.15.+g, 13.35.Bv, 99.10.+g

The antilepton curves in Figs. 4, 5, and 6 of Phys. Rev. D **57**, 6989 (1998) were misplotted. The corrected figures appear below. I would like to thank A. Para and R. Cahn for drawing my attention to Fig. 4.

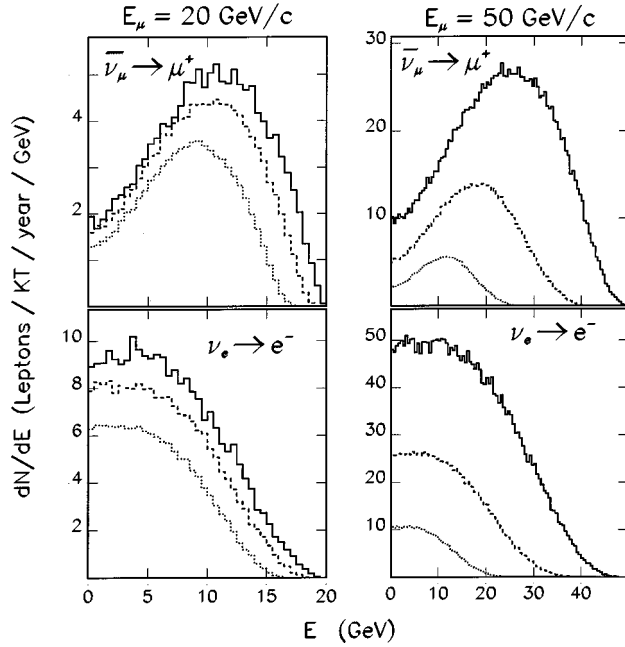


FIG. 4. Calculated lepton and antilepton differential spectra for particles produced in charged current interactions in a detector located 10 000 km from a muon storage ring neutrino source. The parameters of the muon storage ring are described in the text. The spectra correspond to unpolarized positive muons circulating in the muon storage ring with momenta of 20 GeV/c (left plots) and 50 GeV/c (right plots). The solid curves are obtained by averaging the fluxes over a central “spot” with opening angle $\Delta\theta=1$ mr. The dashed and dotted curves are obtained by averaging over annuli centered on the beam axis and covering the angular intervals $1<\Delta\theta<2$ mr and $2<\Delta\theta<3$ mr, respectively.

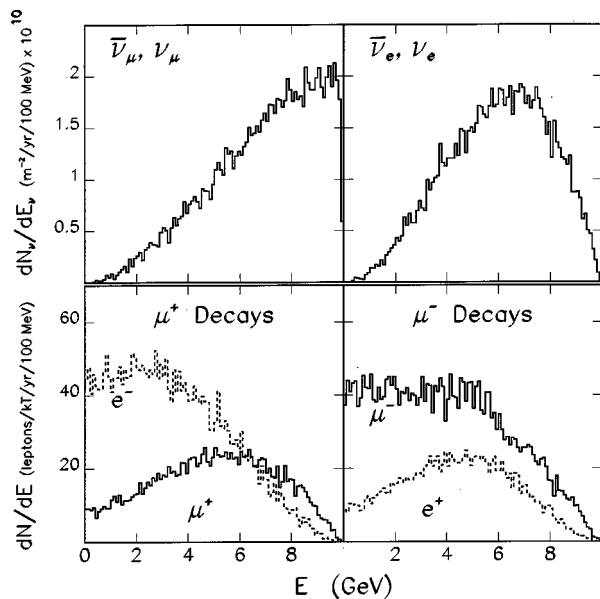


FIG. 5. Calculated fluxes and spectra in a detector 732 km downstream of a muon storage ring neutrino source in which 10 GeV/c unpolarized muons are circulating. The top plots show the neutrino and antineutrino spectra, and the bottom plots show the charged lepton and antilepton spectra from charged current interactions when positive muons (bottom left) and negative muons (bottom right) are stored in the ring.

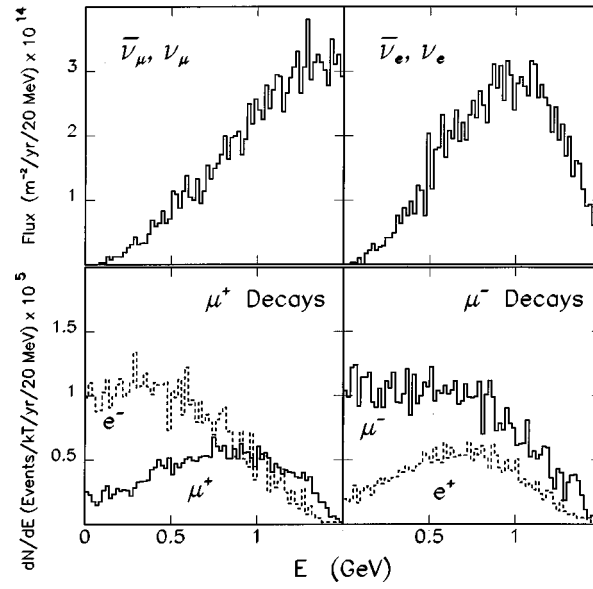


FIG. 6. Calculated fluxes and spectra in a detector 1 km downstream of a muon storage ring neutrino source in which 1.5 GeV/ c unpolarized muons are circulating. The top plots show the neutrino and antineutrino spectra, and the bottom plots show the charged lepton and antilepton spectra from charged current interactions when positive muons (bottom left) and negative (bottom right) are stored in the ring.