MINOS
2010 Highlights

This presentation can be found at
http://www-numi.fnal.gov/talks

Results on appearance of electron-neutrinos with 7×10^{20} POT

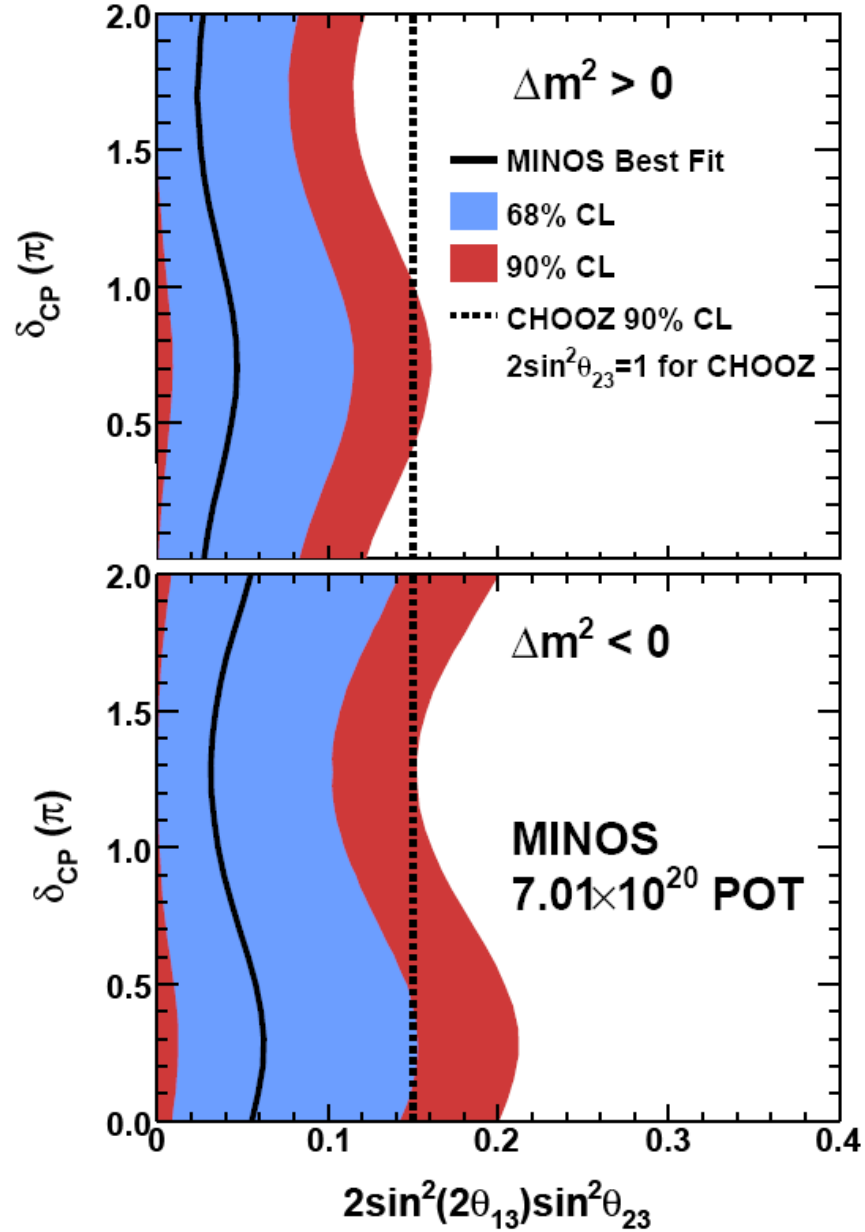
Background Prediction

49.1 ± 7.0 (stat.) ± 2.7 (syst.) events

Events in Far Detector Data

54 events

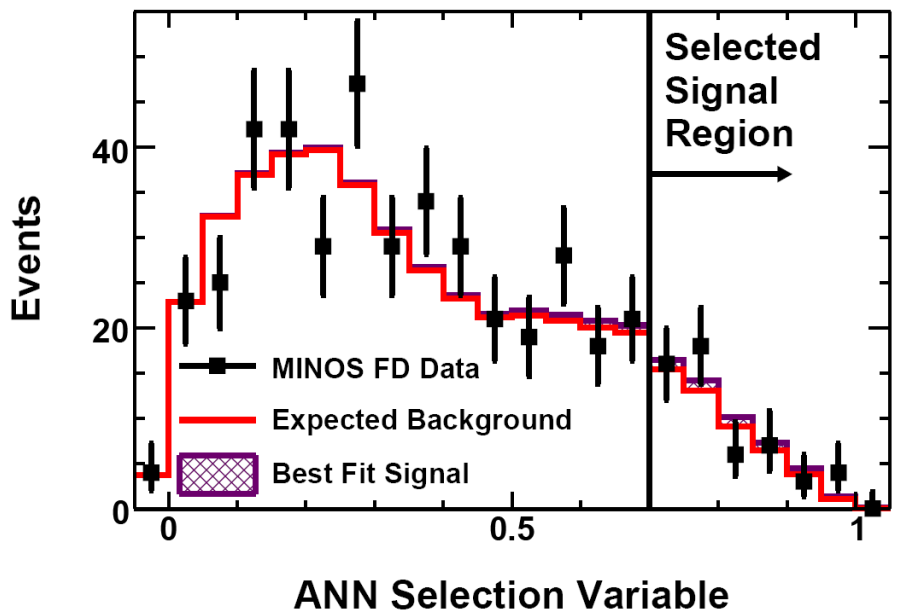
0.7σ excess above background

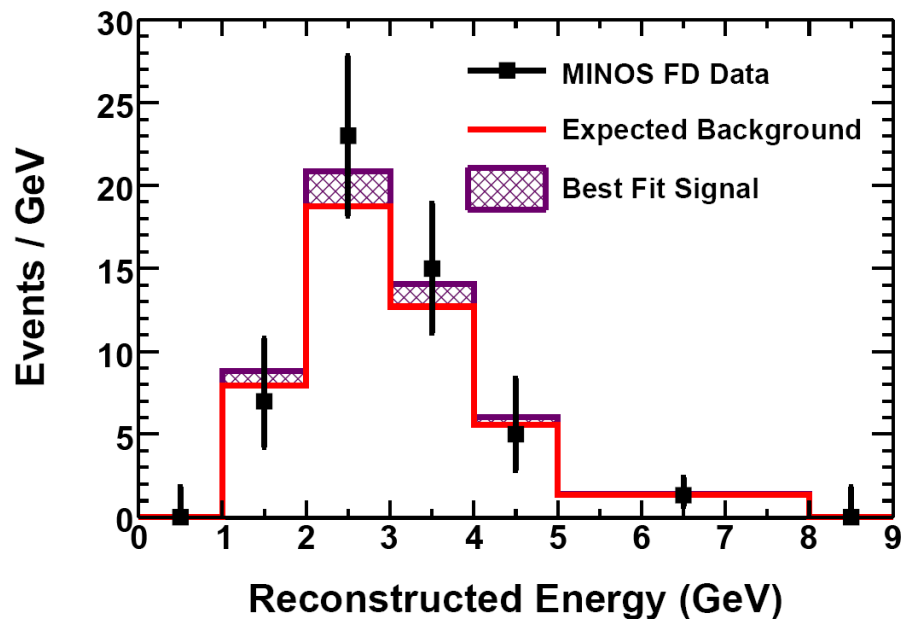


Exclusion limits based on the selected ν_e candidate events

Allowed values are in the colored regions

Results on appearance of electron-neutrinos with 7×10^{20} POT





Variable used to select ν_e-like event topologies

Best Fit Signal corresponds to the amount of signal needed to account for the 0.7σ excess

Far Detector selected ν_e candidate events

Best Fit Signal corresponds to the amount of signal needed to account for the 0.7σ excess