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Searching for Neutrino and Antineutrino Disappearance with MiniBooNE WILLIAM LOUIS, LANL, MINIBOONE COLLABORATION — The MiniBooNE experiment at Fermilab is designed to be a definitive test of the LSND evidence for neutrino oscillations. If the LSND evidence is confirmed, then, together with the results from solar, reactor, atmospheric, and accelerator neutrino oscillation experiments, it would imply Physics Beyond the Standard Model, such as sterile neutrinos and CP or CPT violation. After seven years of operation, MiniBooNE has collected over 100K muon-neutrino charged-current quasi-elastic (CCQE) scattering events and over 15K muon-antineutrino charged-current CCQE events. Recent neutrino and antineutrino disappearance results will be presented together with a search for CPT violation, which would appear as a difference between neutrino and antineutrino disappearance.

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