The MINOS Experiment

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The MINOS experiment is a long-baseline neutrino experiment utilizing a beam from the Main Injector at Fermilab. The construction of components for the near (on-site) detector is underway, and the first of the two supermodules of the far detector in the Soudan Underground Laboratory is complete. This supermodule consists of 248 layers of 2.54cm steel and 1cm by 4cm scintillator strips. Each layer is an octagon, 8m across. The supermodule is magnetized, and has been operating for a few months. Preliminary data on cosmic-ray interactions in this first underground detector with charge identification will be presented.

The MINOS collaboration consists of:

Argonne - Athens - Brookhaven - Caltech - Cambridge - Collège de France - Fermilab - Harvard - IIT - Indiana - ITEP-Moscow - James Madison - Lebedev - Livermore - UCL-London - Macalester - Minnesota - Minnesota-Duluth - Northwestern - Oxford - Pittsburgh - Protvino - Rutherford - South Carolina - Stanford - Sussex - Texas A&M - Texas-Austin - Tufts - Western Washington - Wisconsin