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The FNAL e938 experiment: the mexican contribution to the MINERvA collaboration

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Abstract content

The MINERvA (Main INjector ExpeRiment for ν A) collaboration (<http://minerva.fnal.gov/>) in a neutrino scattering experiment which uses the NuMI beamline at Fermilab. It seeks to measure low energy neutrino interactions both to support neutrino oscillation experiments and to study the strong dynamics of the nucleon and nucleus that affect these interactions. It is currently in its final prototyping stage and is preparing for full-scale construction. The first detector module was completed in early 2006 and it is planned to begin taking data in 2009. We present an overview of this experiment, emphasizing the Mexican contribution, and giving the potential physics results that this collaboration can contribute to the physics of neutrino.

Summary

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