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**(S.D.)-Scientists Make Plans For New Experiment In Lead**



By: Roxie Graham-Marski Posted at: 01/07/2013 10:00 AM

LEAD, S.D. (AP) - Scientists have been given the Department of Energy's approval to move forward with plans for a \$50 million building that will eventually house a neutrino detector in the town of Lead.

It's another in a growing list of scientific experiments to be housed in the once-booming gold mine town. Like the others, officials hope the new neutrino experiment will eventually be housed nearly a mile underground inside the shuttered Homestake Gold Mine.

The Long Baseline Neutrino Experiment is expected to be an \$870 million, multi-phase project.

In the experiment, scientists will shoot a beam of neutrinos from Fermilab, near Chicago, to Kirk Canyon in Lead, where a detector will help scientists study the properties of the subatomic particles.