

Quick Reminder: The LBNE Project

(LBNE: Long-Baseline Neutrino Experiment)

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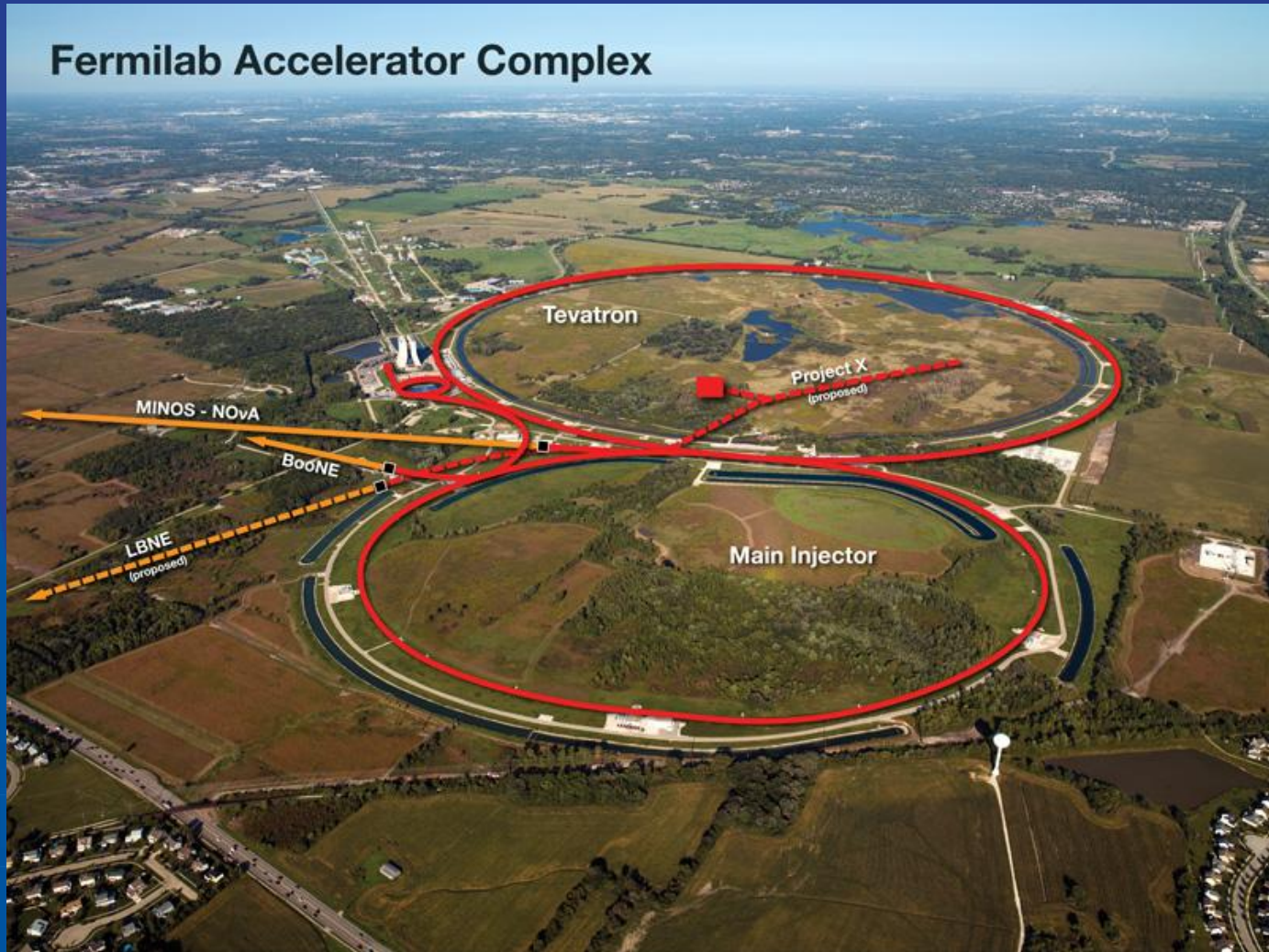
Fermilab

September 23, 2010

About the proposed LBNE project

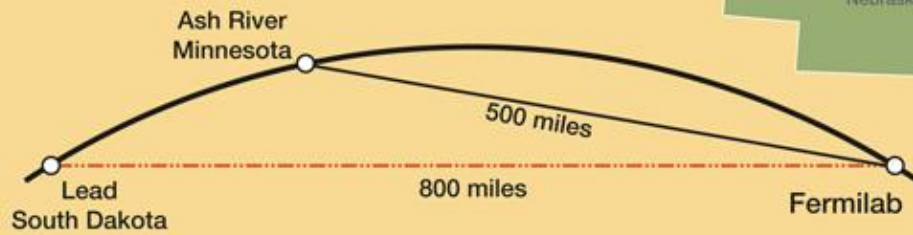
- LBNE -- Long-Baseline Neutrino Experiment
- Proposal to build a new experiment that looks for matter-antimatter asymmetry among neutrinos
 - Send neutrinos more than 800 miles through the Earth
 - Proposal: send beam to Lead, South Dakota
- LBNE is similar to but more advanced than MINOS

Fermilab Accelerator Complex

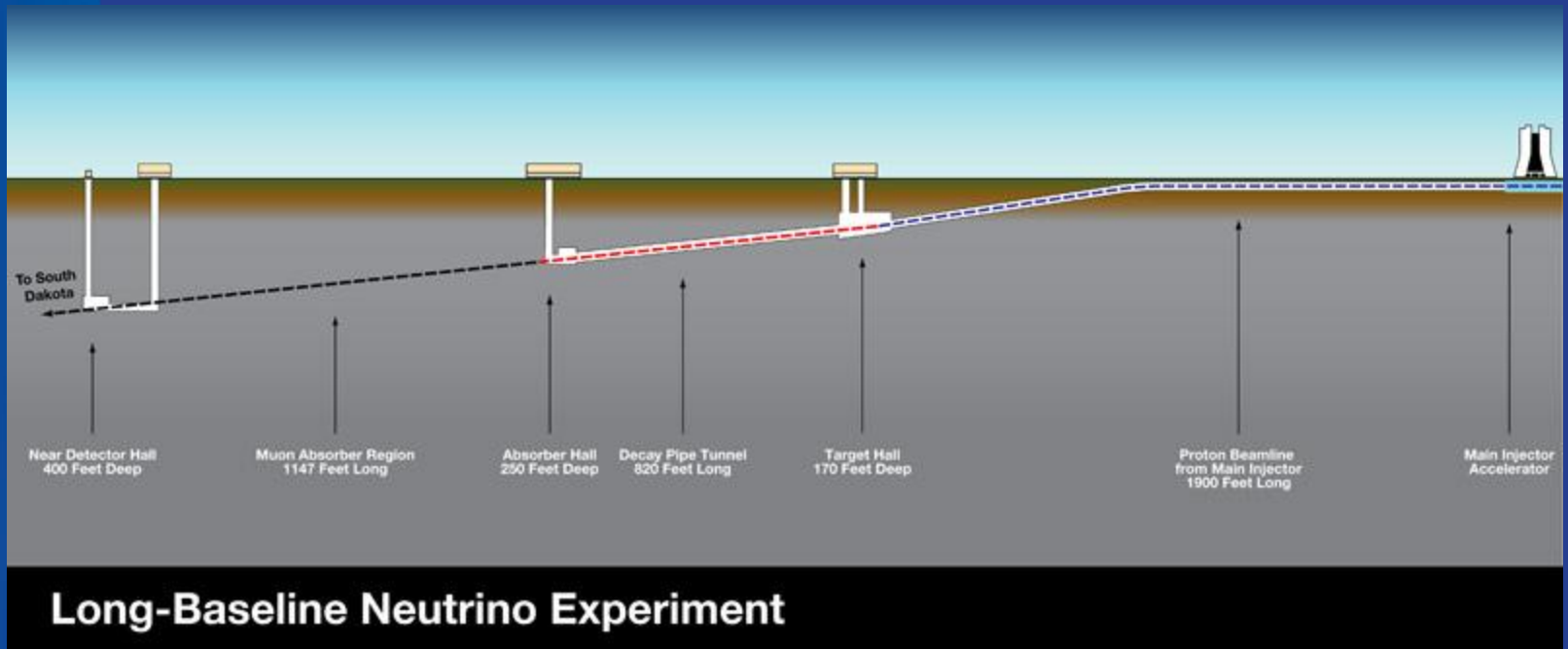


Straight Through the Earth

MINOS	Soudan Mine, MN	2340 ft deep
NOvA	Ash River, MN	Surface level
LBNE	Homestake Mine, SD	4850 ft deep



Proposed LBNE facility at Fermilab



Overview of concerns neighbors may have:

1.) Construction

- Environmental impact
- Location
- Construction duration
- Work at night
- Construction noise
- Vibration
- Construction lights
- Construction traffic
- Dust control
- Water treatment
- Building design and color

2.) Operation

- Groundwater
- Tritium
- Building security
- Tours

Input needed on all these items!
Others issues may exist!
Please let us know!