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## Soudan Underground Lab Education and Outreach

There has been an education and public outreach program at the Soudan Underground Lab in Minnesota for twenty-five years, for a long time funded piecemeal from multiple sources, and for seven years funded by dedicated grants from the U.S. National Science Foundation. The current program hosts an annual open house and a summer program where three undergraduate interns and two or three high school teachers lead public tours, coordinated with the historical tours organized by the Soudan Underground Mine State Park, and now also includes activities at the NOvA far detector site. In addition, the participants work to improve outreach and web materials and/or take part in research on one of the experiments (MINOS neutrino oscillation experiment and CDMS dark matter experiment) as part of their summer experience. Through natural associations, the program includes direct engagement with community groups as well as with other outreach efforts such as the MINERvA experiment's high school activity project using real neutrino data through an event display with a web interface, and regional college and high school science clubs who schedule special tours. Discussion of the successful aspects and outcomes for the different stakeholders as well as ongoing challenges will be presented.

### Summary

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