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## Sanford Underground Laboratory at Homestake

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The status of the Sanford Underground Laboratory at Homestake in Lead, South Dakota will be presented. Excavation of new underground facilities at 4850 feet (about 1480 m) has been completed. Outfitting of the excavated space to house and support the Large Underground Xenon (LUX) detector searching for dark matter and the MAJORANA DEMONSTRATOR neutrinoless double-beta decay experiment is underway and is anticipated to be complete by early 2012. The capability to produce very low background copper by electroforming for the MAJORANA DEMONSTRATOR experiment is now operational at the 4850-foot level. Experiments associated with research in underground biology and geosciences are underway or planned at the Sanford Laboratory.

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