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**Assembly and design of the germanium detectors for the Majorana Demonstrator** BEN JASINSKI, Univ of South Dakota, MAJORANA COLLABORATION — The Majorana Demonstrator is a neutrino-less double-beta decay experiment being carried out at the Sanford Underground Research Facility, in South Dakota. The Demonstrator will consist of 30 kg of germanium detectors enriched in 76Ge. Each P-type Point Contact detector is arranged in a string configuration, utilizing novel front-end electronics, cables, connectors, and mounts, fabricated from radio-pure materials. The assembly of the strings is carried out 4850 feet underground to reduce cosmologically induced backgrounds. To further reduce backgrounds, strings are assembled in a nitrogen-filled glovebox. This talk will give an overview of the design and the assembly of the detector strings for the Majorana Demonstrator.

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