Abstract Submitted
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Design and construction of the UCN facility at TRIUMF[1] JEFFERY MARTIN, The University of Winnipeg — The future ultracold neutron (UCN) source at TRIUMF will employ a new spallation source of neutrons coupled to a cryogenic UCN converter containing superfluid helium. Its flagship experiment will be a measurement of the neutron electric dipole moment (EDM). The UCN facility at TRIUMF began its installation in earnest in January 2014. Key components of a new proton beamline, and substantial modifications to the radiation shielding for the facility were completed this year. The installation will be completed in 2016. This presentation will cover the status of the design and installation, and plans for the facility's successful completion. This will include design studies for a high-intensity cold source to surround the He-II bottle of the super-thermal UCN converter being developed in Japan, and studies of UCN transport from the source to the experiment.

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