

# Xe-Still Status and Goals

*Wednesday, May 12, 2021 11:20 AM (20 minutes)*

The possible need of nearly 50 tonnes of  $^{136}\text{Xe}$  to search for neutrinoless double beta decay motivates an investigation of economical ways to enrich the xenon. The technique currently available at a limited number of manufacturers is centrifuge separation. Distillation is a potential alternative that relies on the isotopic variation of vapour pressures. Our group has provided the first credible measurement of these parameters for xenon using a 1.8 m tall still, and is finishing installation of an eightfold scaled-up version of the same still in the Cryopit at SNOLAB. This project is called Xe-Still and in this talk we will discuss its current status and near term goals.

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