

Construction of the inner detector of DArTinArDM

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To ensure the radiopurity of underground argon (UAr) for DarkSide-20k, the final version of the DArTinArDM experiment is being assembled at LSC in Spain. A 1-liter chamber, called DArT, will be filled with UAr and placed inside the ArDM detector, which will serve as an active veto. This setup is designed to measure depletion factors greater than 10,000 in the intrinsic activity of Ar-39. This poster focuses on prototype testing and the construction process of the inner detector.

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