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## Implementation of electrical wire-tension measurement method for liquid-argon time projection chambers

Current liquid-argon time projection chambers make use of wire planes called anode plane assemblies to measure ionization electrons. For quality assurance reasons, the tension of those wires needs to be within tolerance. In kiloton-scale liquid-argon time projection chambers, the large number of wires for which the tension needs to be measured becomes an issue due to the slow speed of the currently used laser-based measurement method. A new method based on applying AC and DC voltages on neighbouring wires has recently been published. Such a method allows to measure the tension of several wires simultaneously. This talk will present ongoing R&D efforts regarding a concrete implementation of this new method, which could be used during the production and installation of the upcoming DUNE detector.

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