

# New Technologies for Discovery IV: The 2018 CPAD Instrumentation Frontier Workshop

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## High-Pressure Gas TPC for DUNE Near Detector

*Tuesday, 11 December 2018 11:00 (22 minutes)*

The DUNE near detector will consist of several components, one of which is the high-pressure gaseous argon TPC (HPgTPC). As a promising neutrino detection technology, it is well-suited to improve the neutrino-nucleus systematic uncertainties for the neutrino oscillation measurements. In this talk, an overview of the on-going HPgTPC R&D efforts in the U.K. and U.S. will be presented.

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**Session Classification:** Parallel Session: Noble Element Detectors

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