

# New Technologies for Discovery III: The 2017 CPAD Instrumentation Frontier Workshop

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## Xenon Detectors for Double Beta Decay

*Thursday, 12 October 2017 13:40 (25 minutes)*

In this talk I will review the detection technologies which use  $^{136}\text{Xe}$  to search for double beta decay. I will discuss liquid and gas TPCs, as well as liquid scintillator/xenon experiments, and briefly review their benefits and challenges of each. A focus will be given to ongoing R&D by double beta decay collaborations as they strive to develop a ton-scale-capable technology.

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