

# Characterization of SiPM for cryogenic application

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We present a comparison of the performance of a SiPM model at various temperatures in view of a possible application as a trigger and timing detector in LAr-TPCs or LXe-TPCs.

We have measured breakdown voltage and gain at various temperatures from 60 K to 300 K. Moreover, we evaluated the noise at cryogenic temperature compared to the noise at room temperature.

