

SiPM readout for cryogenic applications

Wednesday, 28 November 2018 14:00 (30 minutes)

Silicon PhotoMultipliers (SiPM) provide an efficient photon read-out to particle detectors thanks to their high photon detection efficiency, their immunity to magnetic fields and their high granularity. Recently SiPMs are being studied for cryogenic application within dark matter or neutrinos detector. This talk will describe the behavior of newest FBK cryogenic SiPMs and the associated read-out electronics for the production of large PMT replacement photo-detectors

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Session Classification: Wednesday afternoon