

Workshop on Advanced Radiation Detector and Instrumentation in Nuclear and Particle Physics (Online)



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Type: Talk

Electrical discharges and their mitigation in Thick-GEM based WELL detector

Tuesday 26 October 2021 15:40 (30 minutes)

I will give an overview of the Thick-GEM based WELL detectors and the phenomenon of electrical discharges in them. The effectiveness of using resistive plate in mitigating discharges will be presented next. We developed a tool to produce localized discharges inside the detector to study its effect on the detector performance. I will present the effect of feeble discharges on the performance of Resistive Plate WELL detector.

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Session Classification: Young Scientist Talks

Track Classification: Micro-Pattern Gas Detectors in Particle Physics