Contribution ID: **9**   Type: **not specified**

Review of Detector Technologies

Thursday 13 June 2019 09:00 (40 minutes)

Recent developments in Particle Flow Algorithms and Machine Learning Algorithms gave rise to the idea of high granularity detector systems. With the advances in the development of integrated detector electronics and the accumulated expertise in novel active media, many ideas have already started to be realized. The future implementations are not only limited by the development of novel detectors such as the High Granularity Calorimeter upgrade of CMS and many other imaging calorimeters of the CALICE Collaboration, but also reflect manifest modernizations of the conventional technologies like the Liquid Argon Time Projection Chambers of the DUNE detectors.

This talk will discuss the latest trends in the detector physics and technologies and will explore the extents and limitations in these developments.

Presenter: BILKI, Burak (The University of Iowa (US), Beykent University (TR))