



Contribution ID: 196

Type: Poster Presentation

## Setting up an environment for extracting and analyzing data from the DCS ATLAS experiment for the behavior of High Voltage channels

Thursday, 6 July 2023 17:20 (20 minutes)

A hadronic calorimeter called Tile Calorimeter (TileCal) can be discovered in the center of the ATLAS detector. A sample calorimeter called TileCal employs steel plates as the absorber and plastic scintillating tiles as the active medium. Because about 30% of the total energy jets produced in a proton-proton collision are deposited in TileCal, it is crucial in the accurate reconstruction of the kinematics of the physics events. The main objective of this project is to develop the plugin that will be used to retrieve data from the Detector Control System (DCS) Data Viewer server and analyze it for anomalies in the HV channels. The plugin will then be incorporated into the Tile-in-One platform, which unifies all TileCal work onto a single platform

**Apply to be considered for a student ; award (Yes / No)?**

no

**Level for award;(Hons, MSc, PhD, N/A)?**

MSc

**Consent on use of personal information: Abstract Submission**

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**Session Classification:** Poster Session 2

**Track Classification:** Track F - Applied Physics