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Extracting and Analysing Data from Detector Control Systems at ATLAS Experiment for Bad Channelling of High Voltage and Low Voltage Power Supplies.

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Tile-in-One (TiO) is web platform to combine all web based offline data quality tools of ATLAS Tile Calorimeter in one web interface. This system is implemented a series of small web applications with main gateway, the applications are called plugins. Plugins run in thier own separate virtual machine to avoid interference and increase platform stability. The aim of this project is to extract data from Detector Control System (DCS) of the ATLAS Experiment and use TiO web platform for visualization and analysis of the data in order to observe behaviour of High volytage and Low voltage power supplies. The data was extracted on the DDV server in a form of text file then converted to comma separated values (csv) file in order to be visualized in the form of plots using plotly.js library. A detailed results for the analysis of the data will be further discussed.

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