Integration of the Fast TracKer (FTK) Trigger for CERN's Large Hadron Collider (LHC) JUAN SOLORIO, Cal State Univ - Sacramento, ATLAS COLLABORATION — In preparing for the start of stage 2 and 3, and the increase in luminosity for the ATLAS experiment at CERN, a quick and efficient integration of the Fast TracKer Trigger system and all its boards is necessary. Due to the FTK being composed of various boards that operate in parallel and act as individual engines performing an indicated task, there are numerous calls for problem shooting the different boards. As my summer project, I created a python module that performs this task allowing for any one of the team members of the different boards to access all the Status Calls and other convenient output calls.

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