

Charge Monitoring System

Gamma Irradiation request at GIF++

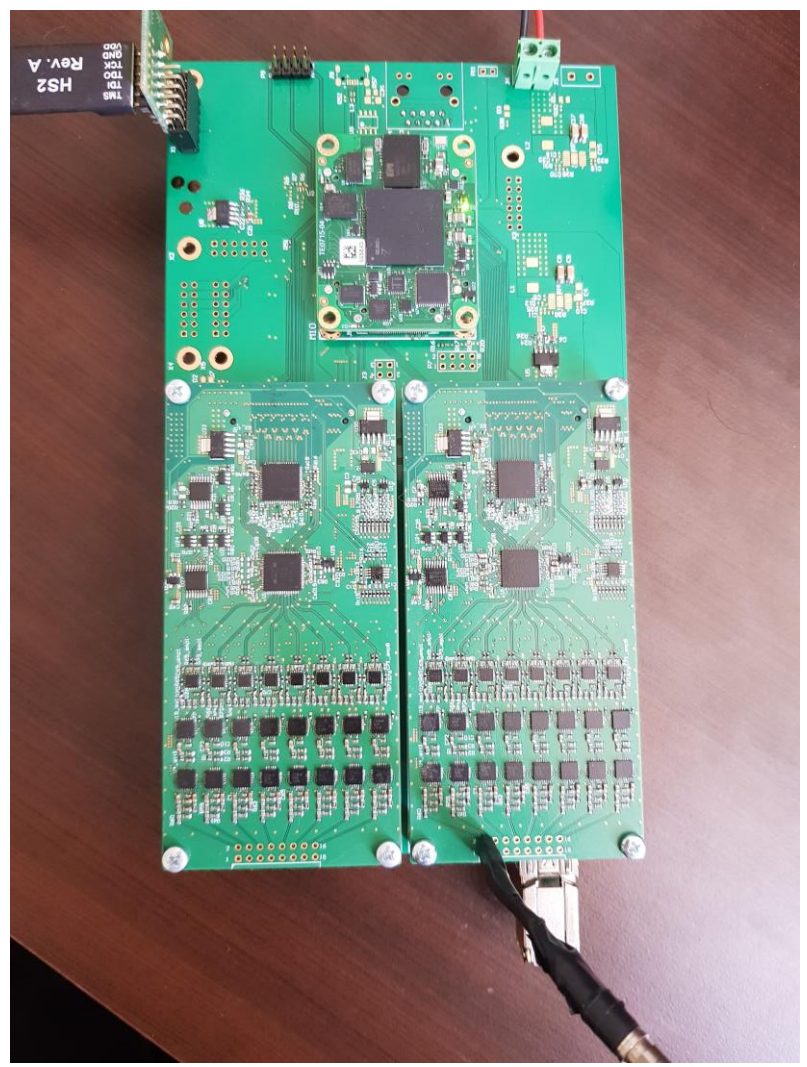
Project Description

- Charge monitoring system will use electronics PCB to monitor the TGC analog signal from ASD board in the Big wheels of ATLAS experiment.
- Until now, there are two version, one physically available for 16 channels, as can be seen in the picture, and a new version is under development up to 40 channels.



Dimension and required test

- The PCB of 16 channel has 20x12 cm of dimension
- Is composed of 3 PCB:
 - SoC Trenz board as a Processing Unit.
 - Mezzanine
 - Carrier Board, in which previous board are connected.
- We would like to test passively these 3 boards in a position available for GIF++ before December 17.
- We need to test the 16 channel version with 330 Gy. A support frame will be needed for this task.



Thank you

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