

## CTA SST Camera Backplane characterization tests

The goal of the project is to develop the tests to characterize the functionality of the Backplane of the SST camera.

The functionality to be tested includes:

- event timestamping
- data delivery
- trigger formation

Furthermore the tests will be used for quality control purposes, so they will need to be extensive and have full coverage of the backplane hardware (i.e. repeated for all channels and combinations).

This project will consist in a phase of learning about the SST camera hardware and the backplane in particular, the setting up the lab equipment, writing the software and performing the data analysis of the test results.

### Group

GAMMA

### Project Category

C2. Instrumentation for astroparticle physics

### Special Qualifications

### DESY Site

Zeuthen

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