

The ASIC Citiroc 1A characterization

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Brief contents

Following aspects of the ASIC are considered:

- description of the functionality Citiroc 1A;
- dynamic range of high gain branch using of DT5702 board;
- investigation of the crosstalk of SiPM array using Na22 with XYZ adjustable positioning (DT5702);
- estimation of the full dynamic range (of low gain branch) using of new DT5550W board.

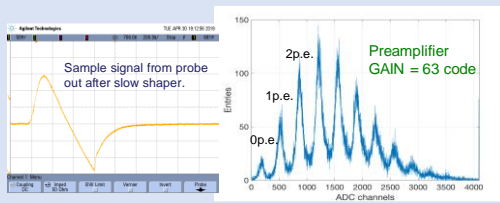
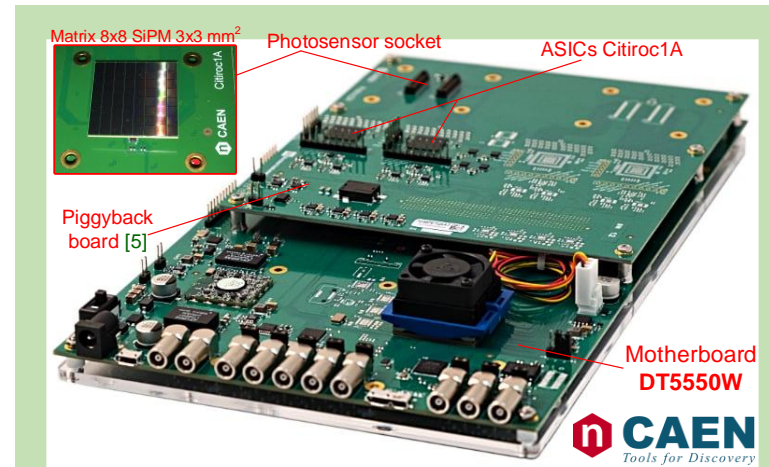


Photo of the DT5702 [2]

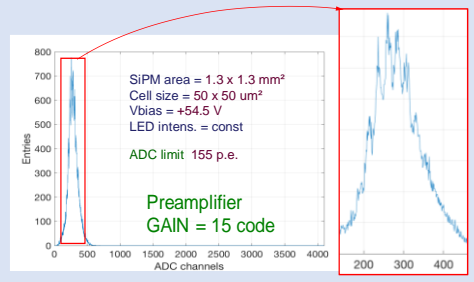
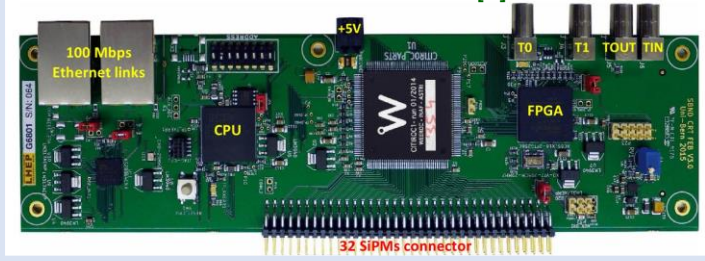
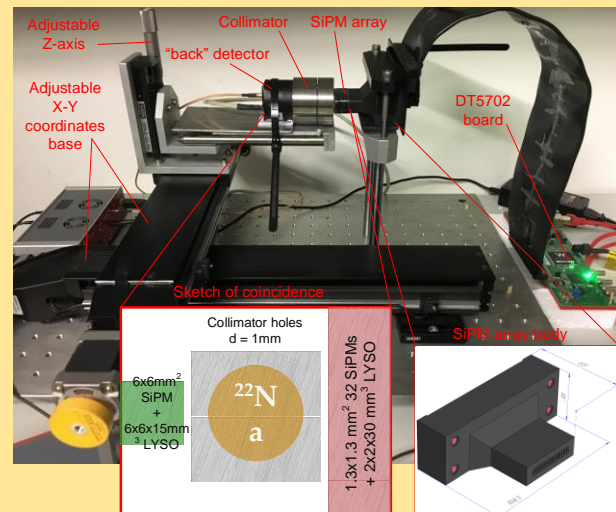
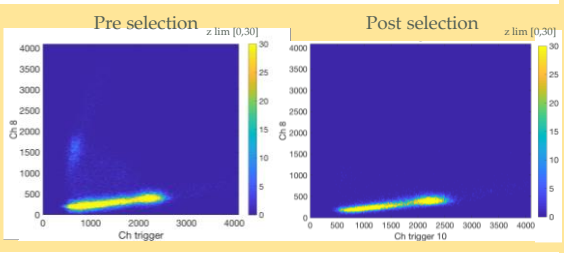
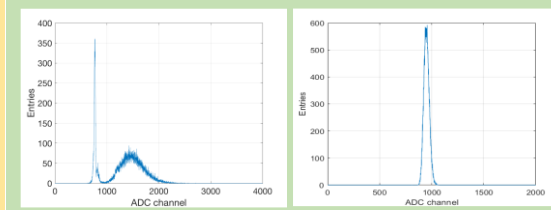
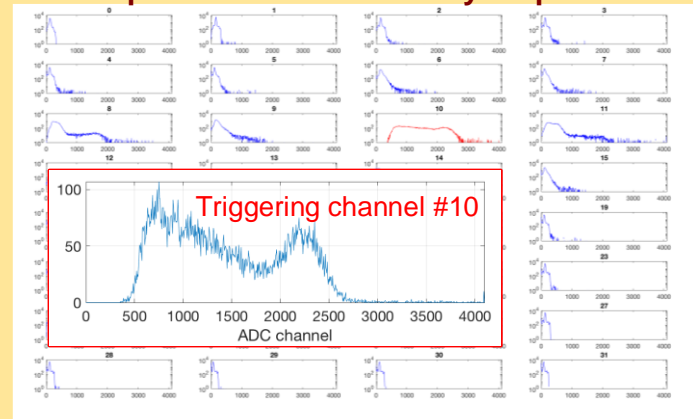


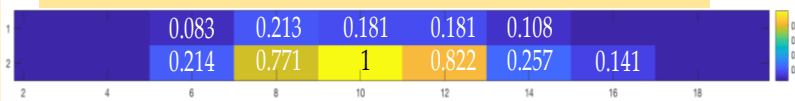
Photo of the setup for SiPM array scanning



Spectra of the SiPM array response



Correlation coefficients response



Dynamic range

