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.

Spectra of the SiPM array response

Correlation coefficients response

Dynamic range

m=4.63
q=870