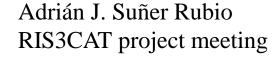
Current status of external test pulse equalization





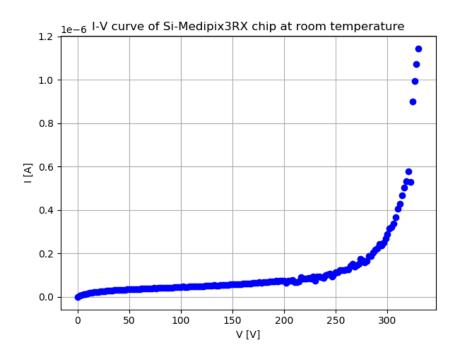


Introduction

IV Curve

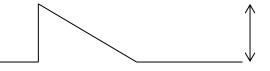
Chip in study

Type	Wafer	ID
Medipix3RX	Silicon	7FB1FE72



External test pulses

Type of pulses:



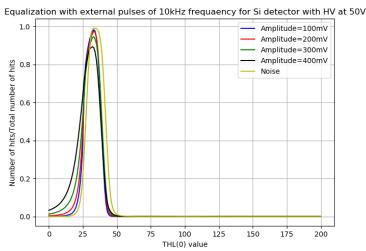
Amplitude= 0.1, 0.2, 0.3, 0.4, 0.5, 1, 2, 3 V

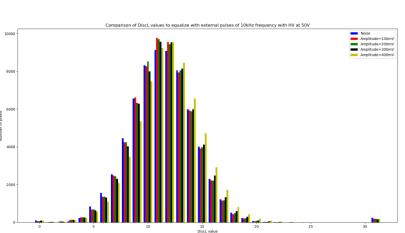


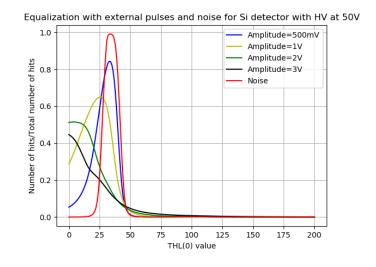


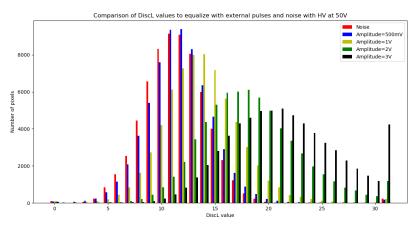
External test pulses

Variation of the amplitude:







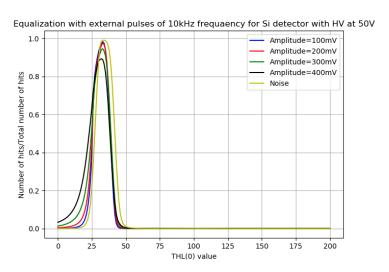


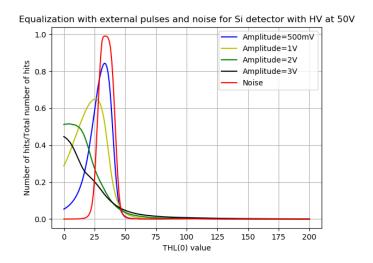




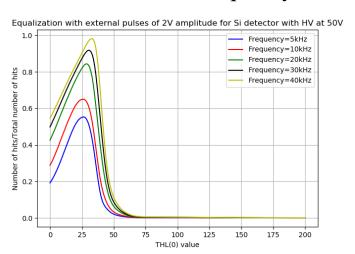
External test pulses

Variation of the amplitude:





Variation of the frequency:







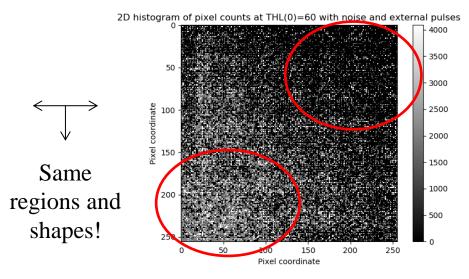
External test pulses: Problems

Acquisition with noise

2D histogram of pixel counts at THL(0)=60 where noise is the only signal 4000 3500 3000



Acquisition with external pulses and noise

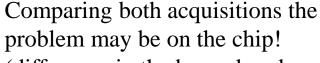


The problems may come from:

200

- Chip
- Injection of the pulses

Pixel coordinate



(difference in the bump bonds, ...)





External test pulses: Problems

Acquisition with external pulses and noise

