

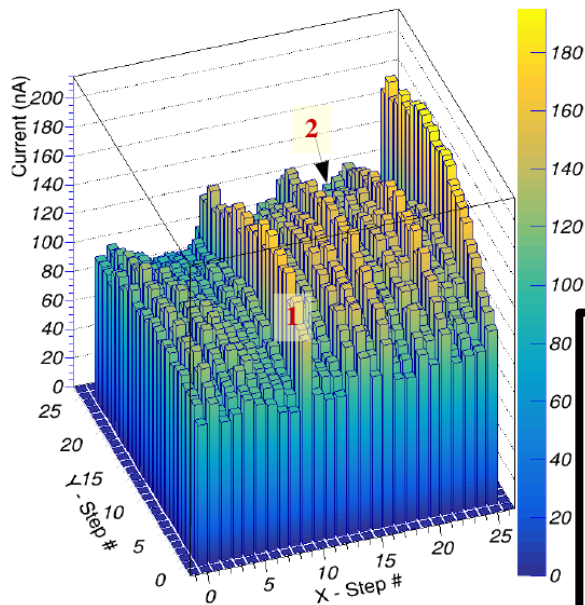
TRD2D PRR *observations*

TRD2D DFH Meeting
28th March 2023

Gain uniformity test

- collimated ^{55}Fe source
- active area was mapped in steps of 2 cm

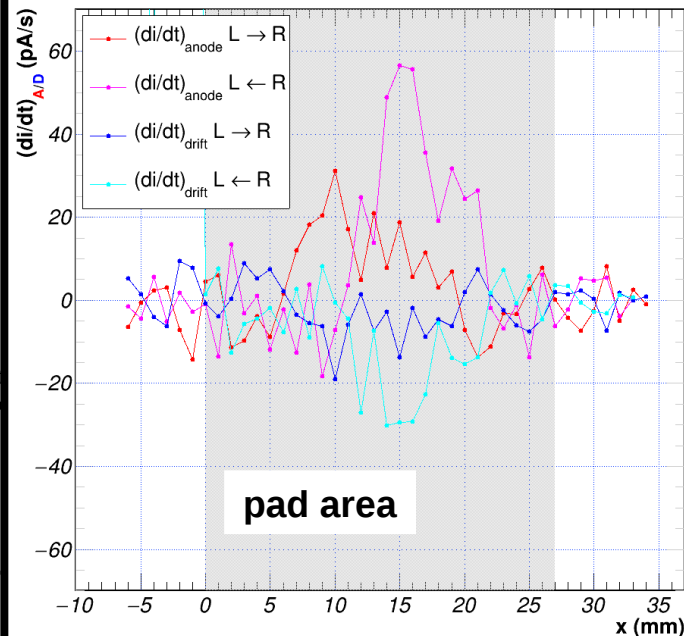
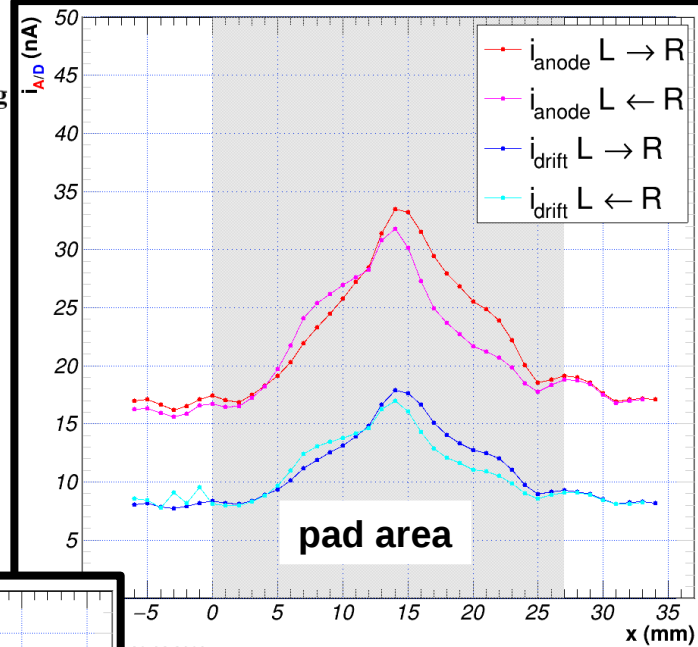
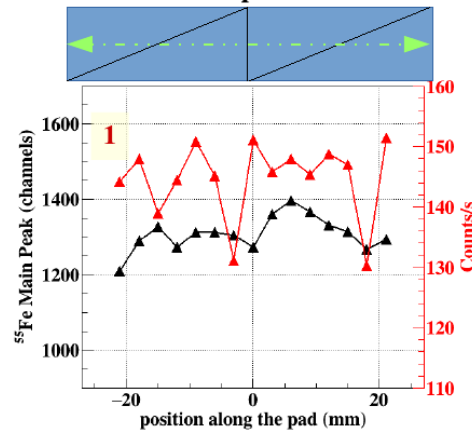
Anode current XY



Non-uniform tensioned anode wires

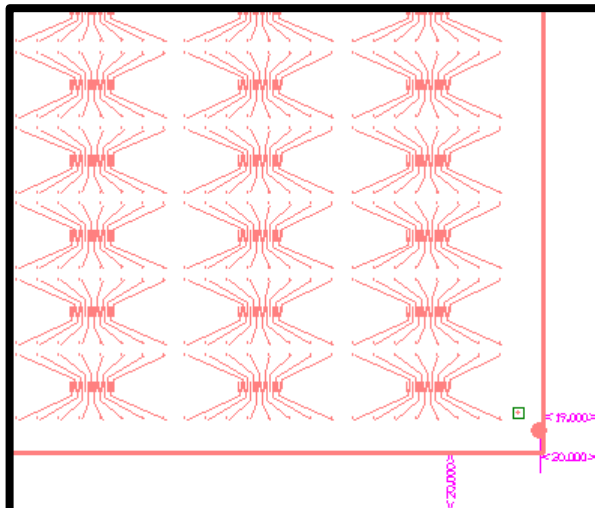
Mariana Petris, 41st CBM Meet

1D scanning, 3 mm step, across the wires using collimated ^{55}Fe & spectrometric chain



Further Tests

- check the influence of the PP non-flatness around the flat-cable soldering point.
- study current evolution in time and space
- use same setup as in previous tests



03.11.2020

REPER: 20PP-540-600-V5

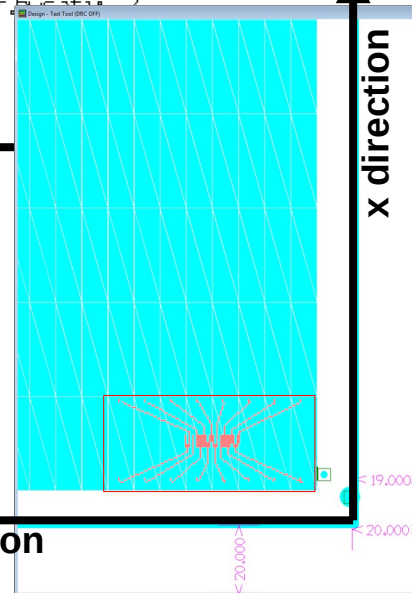
MATERIAL: FR4 DUBLU PLACAT GROS 0.25mm fara cupru

Grosime Cupru final: 18 micron

Dimensiuni (mm) 600x600

Finisare: Cupru fara nicio acoperire

C N C
nr.bucati: 2



03.11.2020

REPER: 20PP-540-600-V5

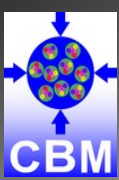
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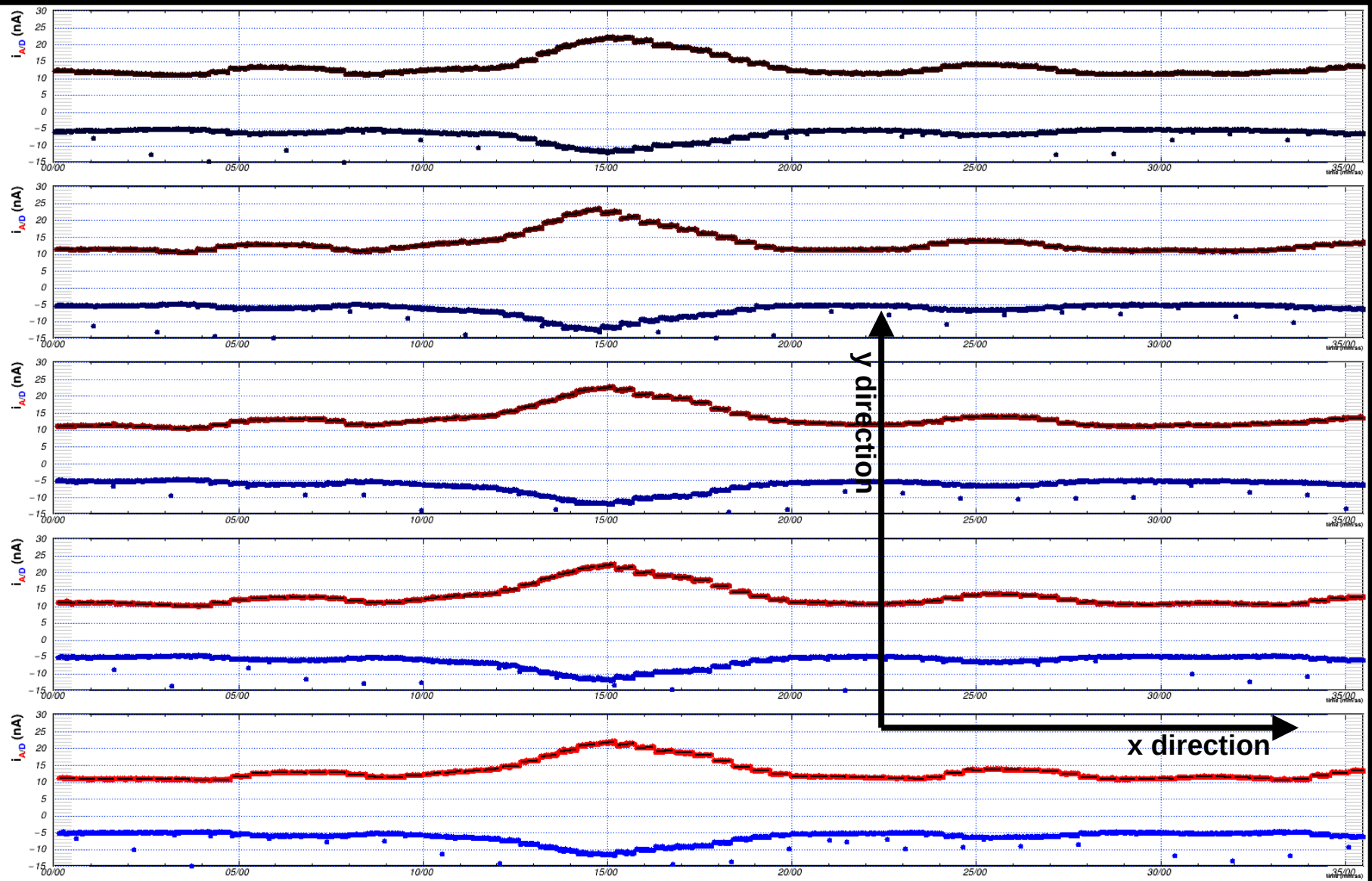
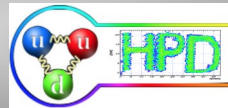
Dimensiuni (mm) 600x600

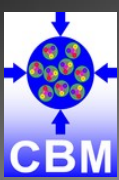
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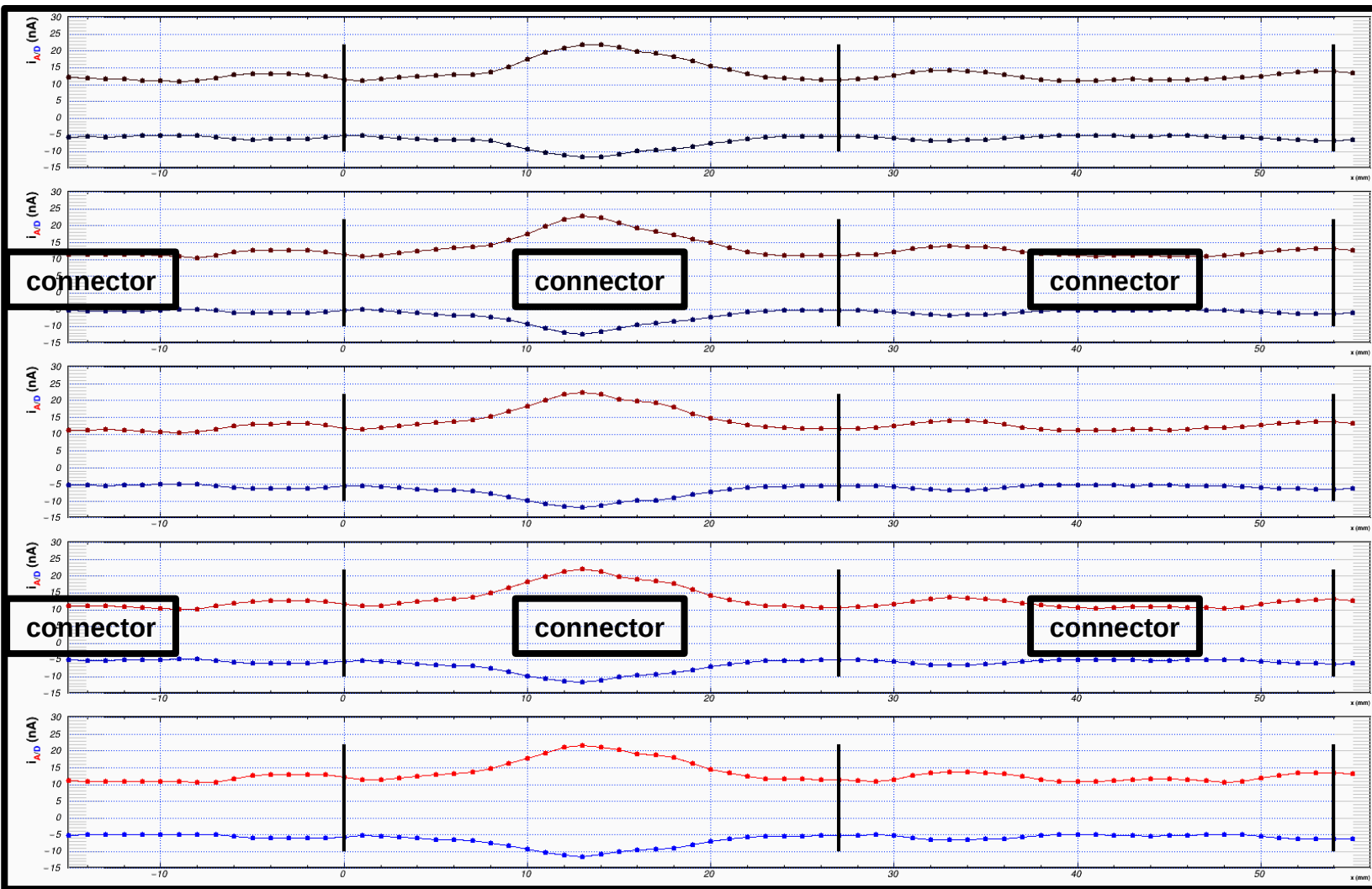
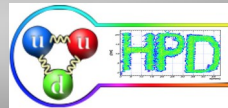


Scan x-y around the hot point

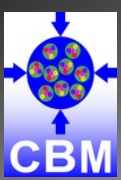




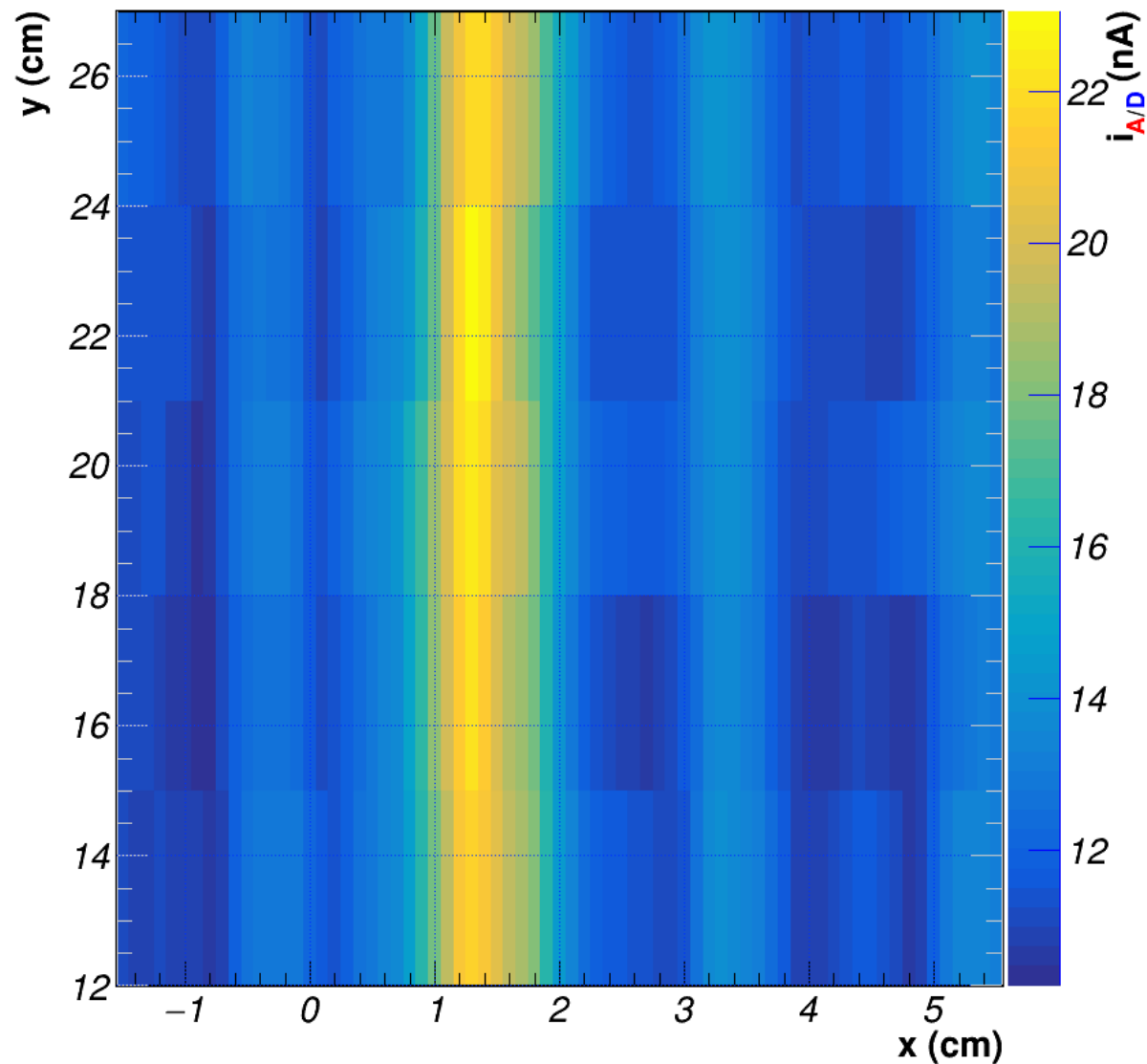
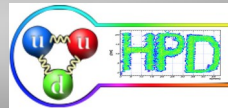
Processed current



No correlation found with PP indentations by comparing the anode current profile across the middle of the connector wrt the scan between pad-rows.



Processed current



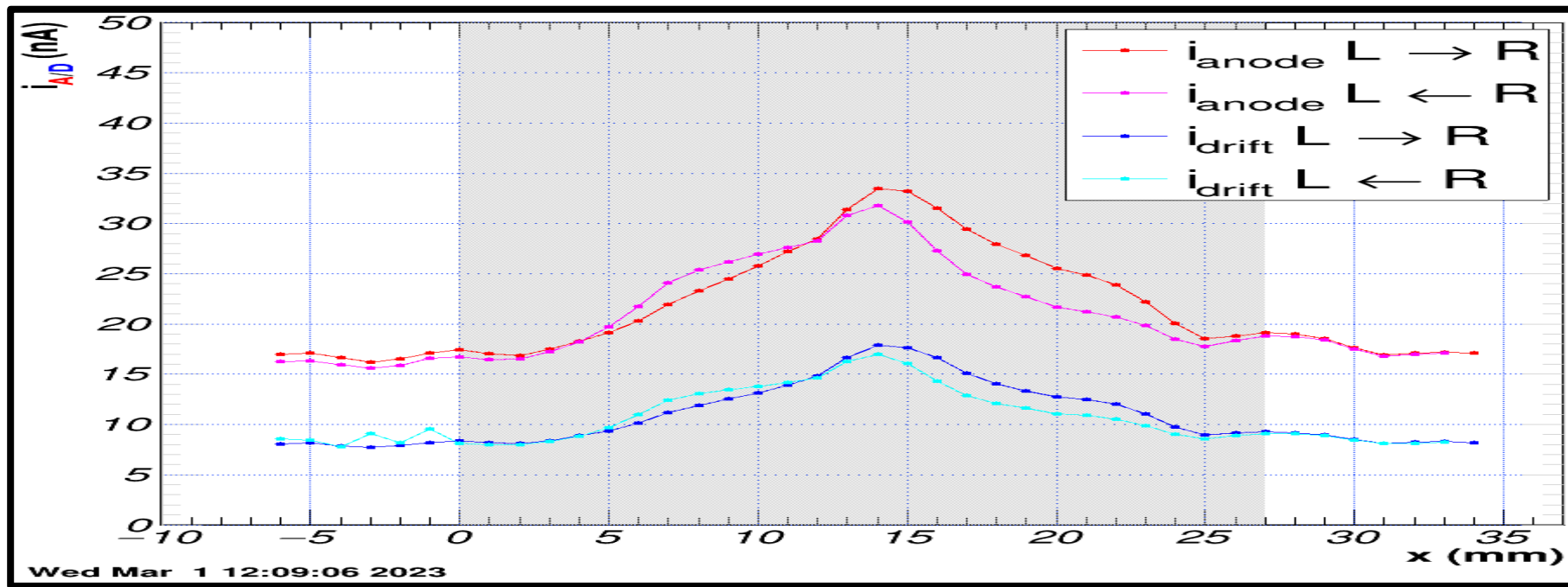
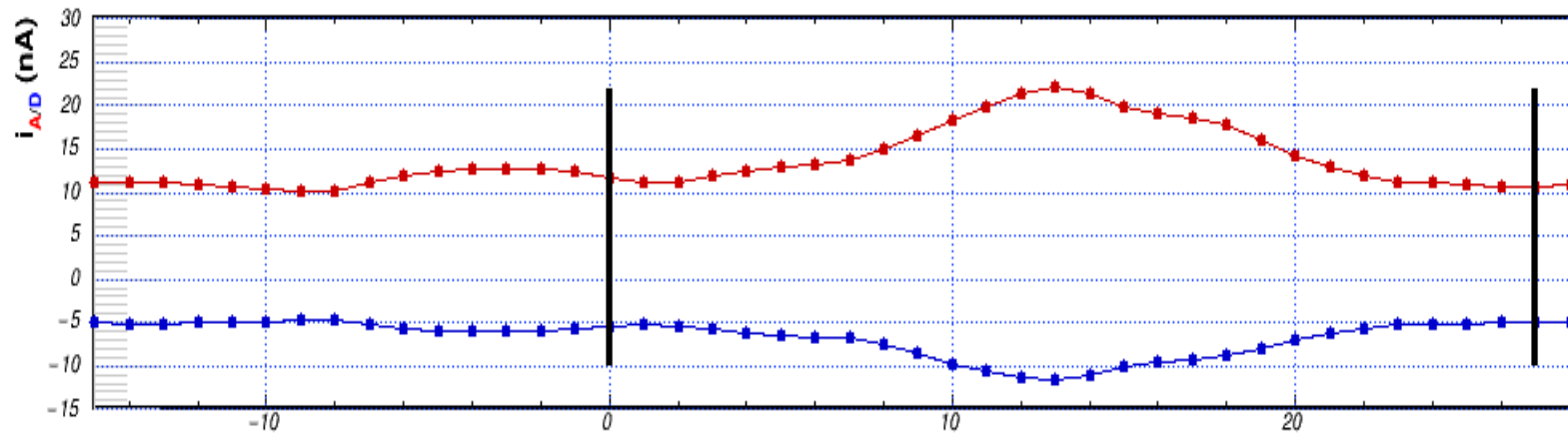
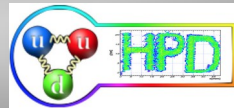
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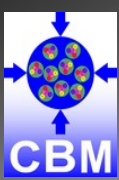
Mon Mar 27 14:40:39 2023



Reproducing the results

Scanning the same area twice





Anode current drift on fixed location

