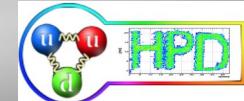
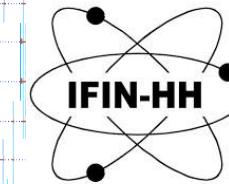




MINISTERUL CERCETĂRII, INOVĂRII ȘI DIGITALIZĂRII



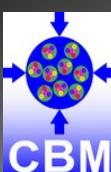
TRD2D PRR *observations*



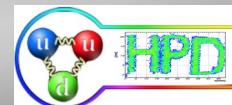
www.ifin.ro

TRD2D DFH Meeting
28th March 2023



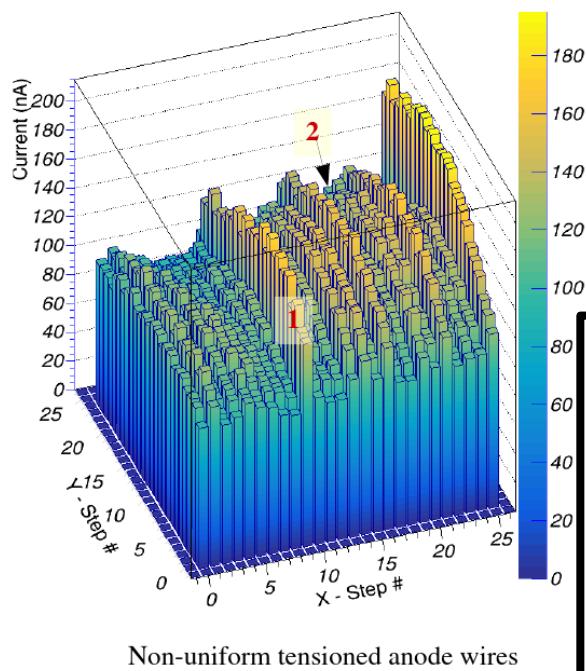


Motivation



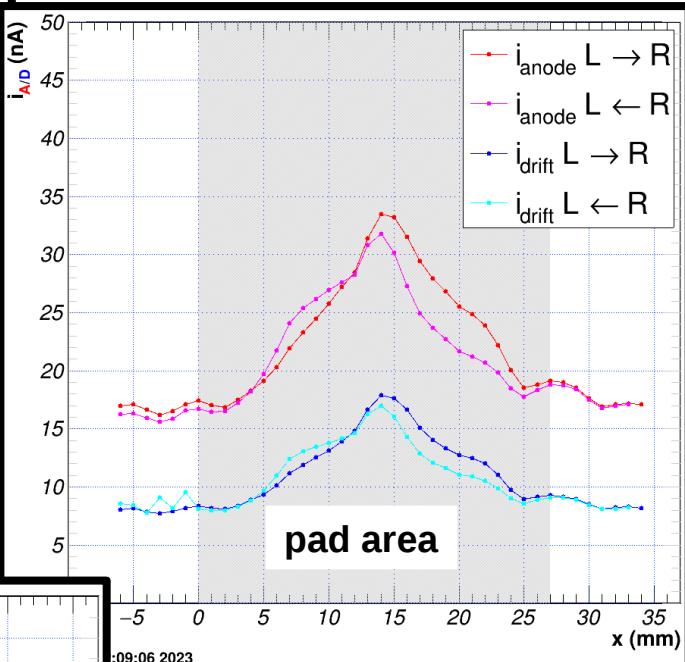
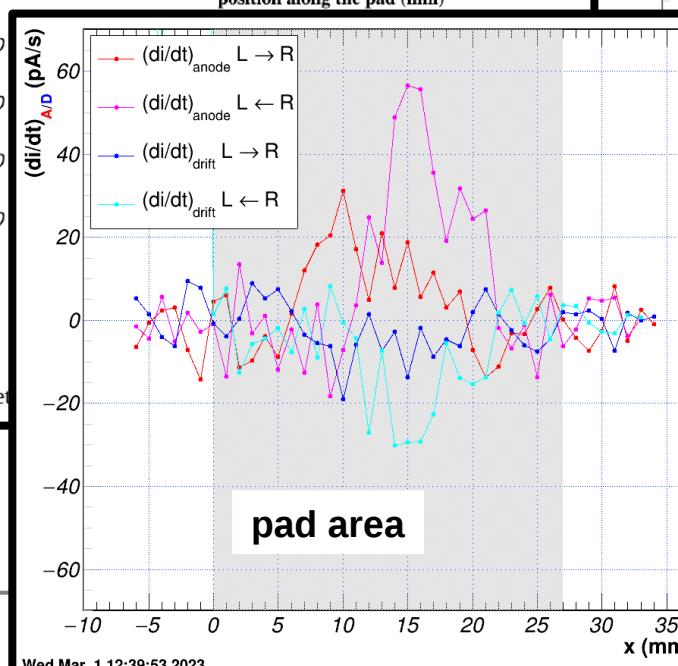
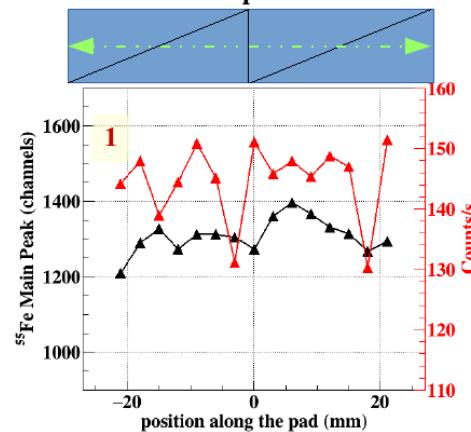
- collimated ^{55}Fe source
- active area was mapped in steps of 2 cm

Anode current XY



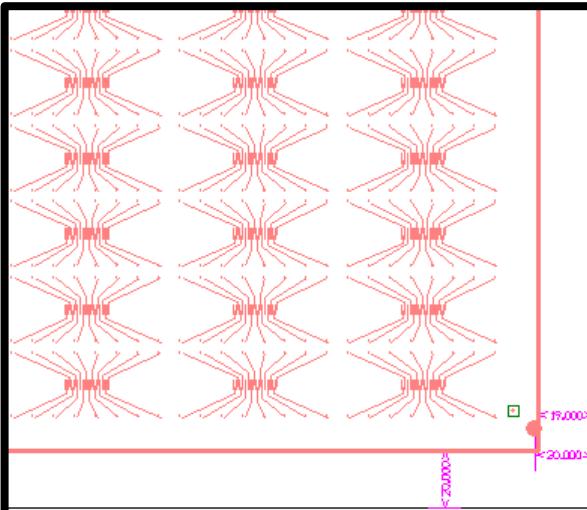
Gain uniformity test

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

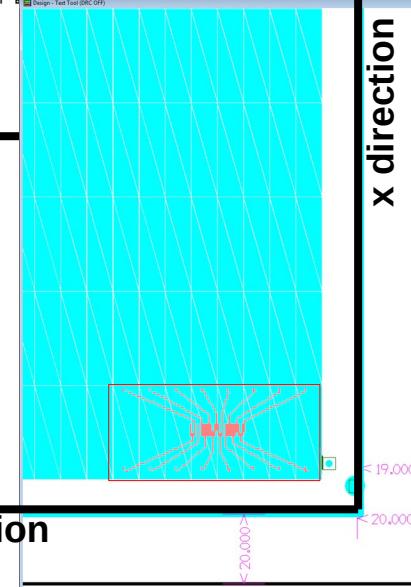
MATERIAL: FR4 DUBLU PLACAT GROS 0.25mm fara cupru

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

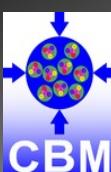
MATERIAL: FR4 DUBLU PLACAT GROS 0.25mm

Grosime Cupru final: 18 micron

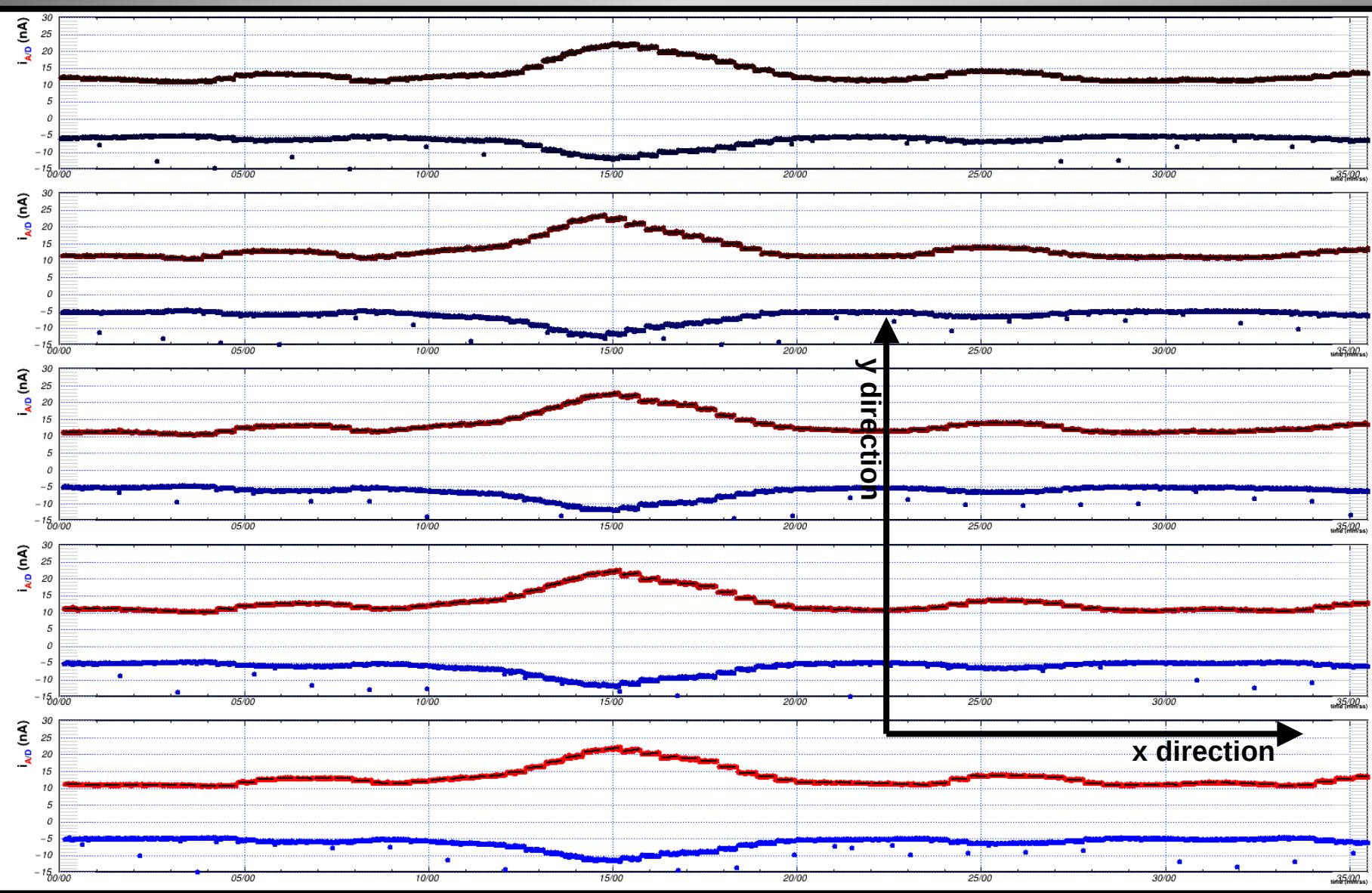
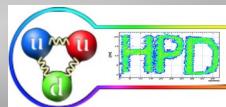
Dimensiuni (mm) 600x600

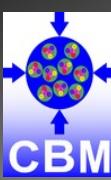
Finisare: Cupru fara nicio acoperire

C N C
nr bucati: 2

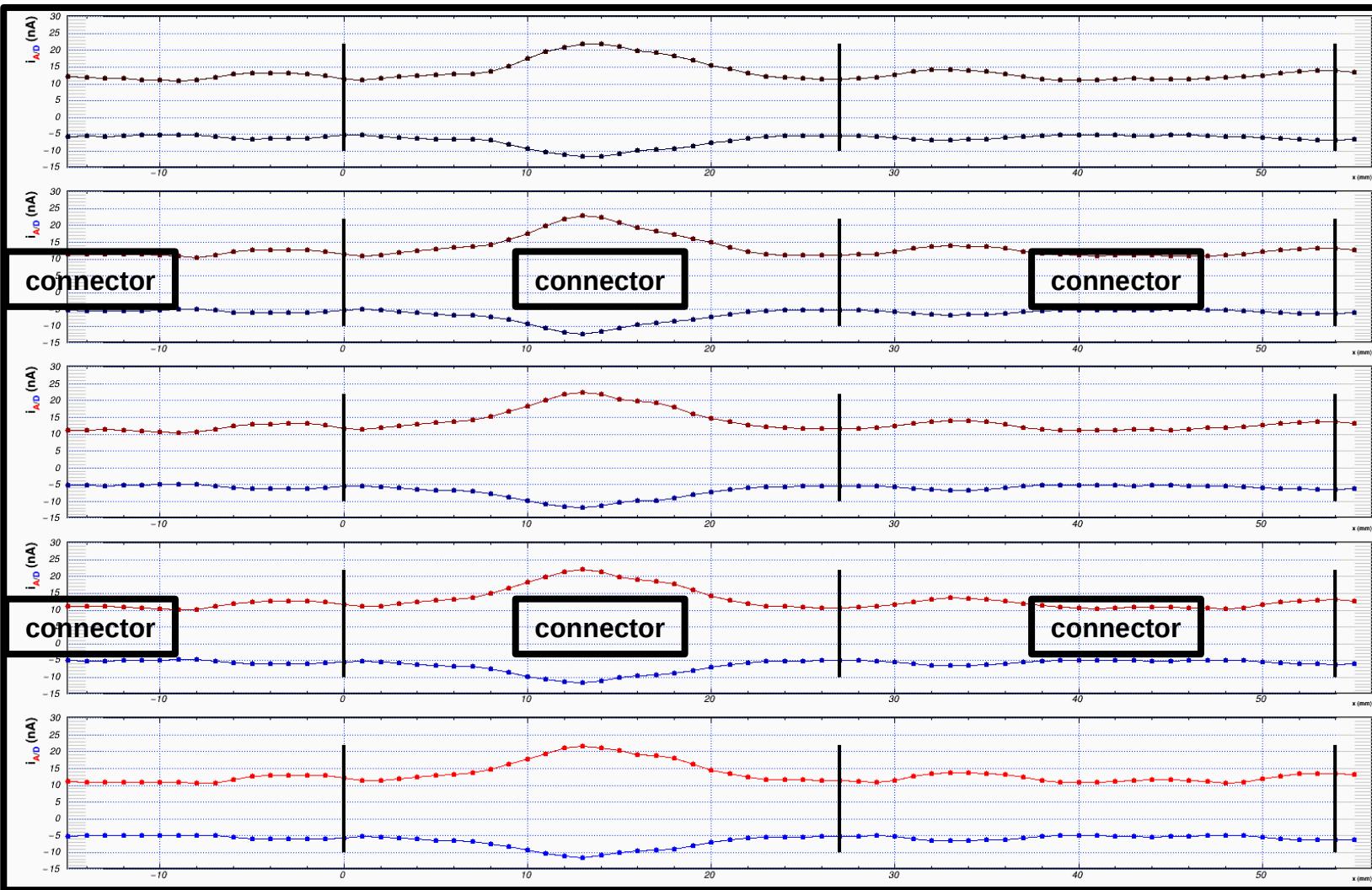
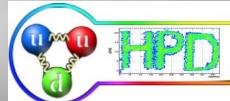


Scan x-y around the hot point

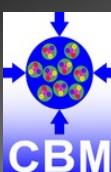




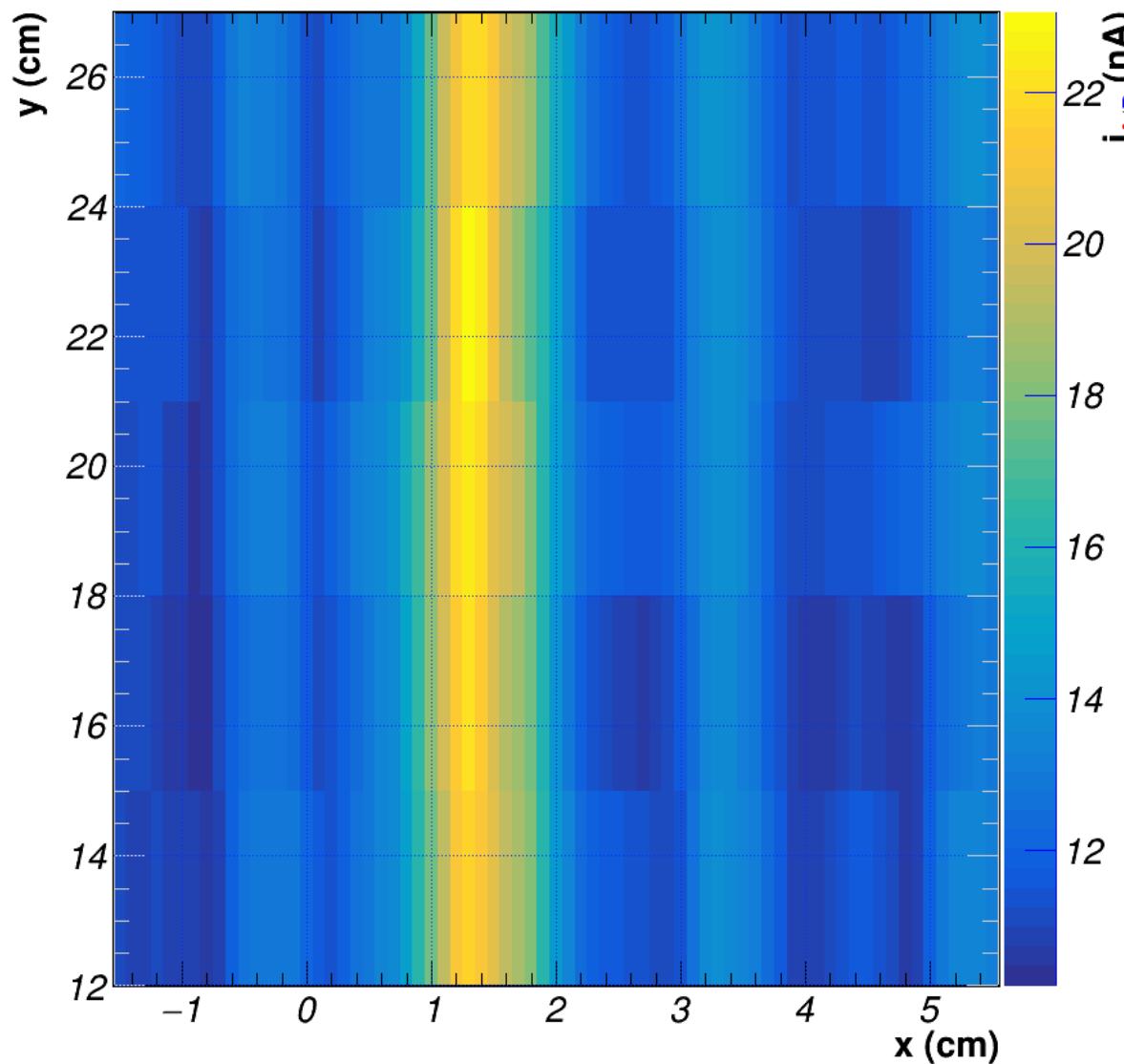
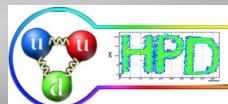
Processed current



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

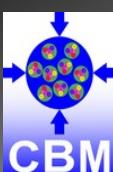


Processed current

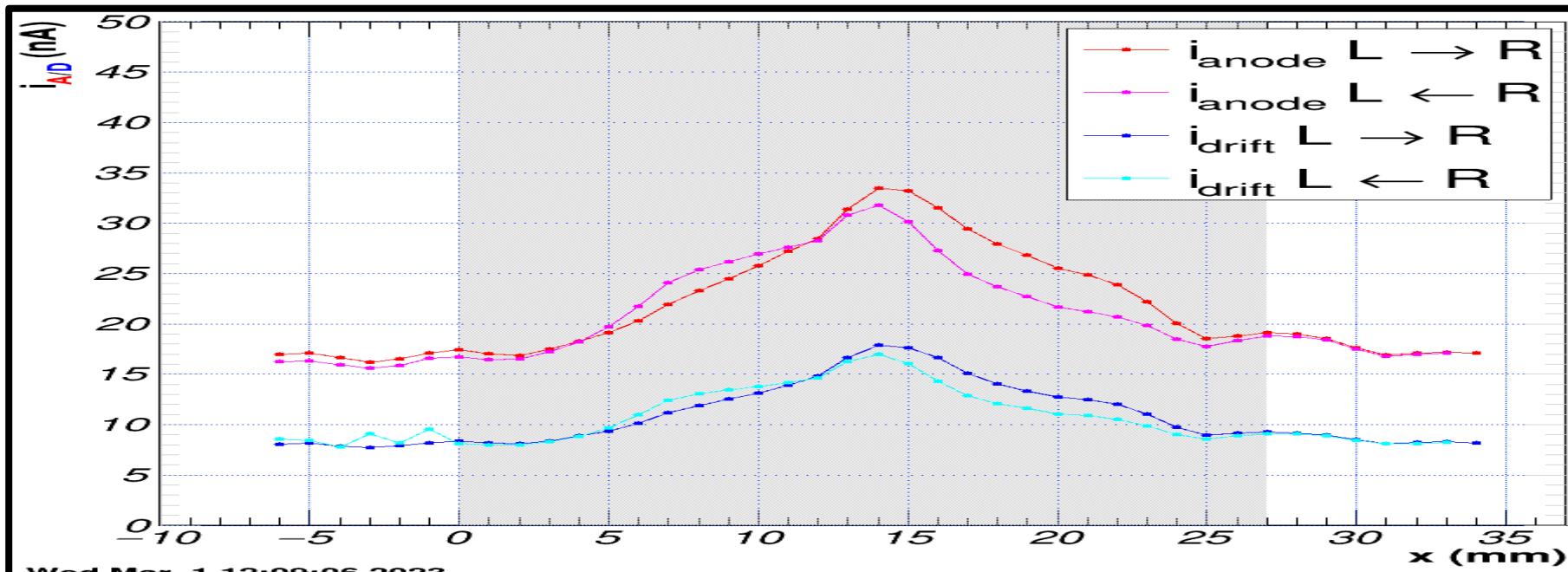
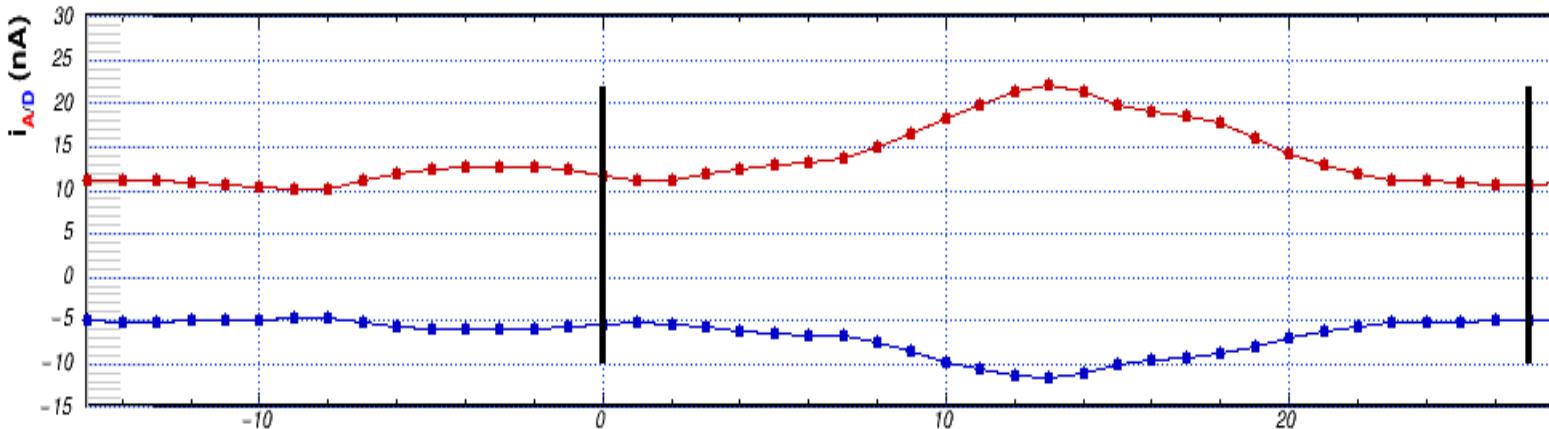
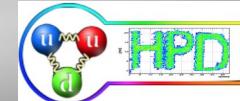


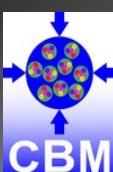
No correlation found with PP indentations by comparing the anode current profile across the middle of the connector wrt the scan between pad-rows.

Mon Mar 27 14:40:39 2023



Reproducing the results Scanning the same area twice





Anode current drift on fixed location

