

Ladder Production at BNL

Status

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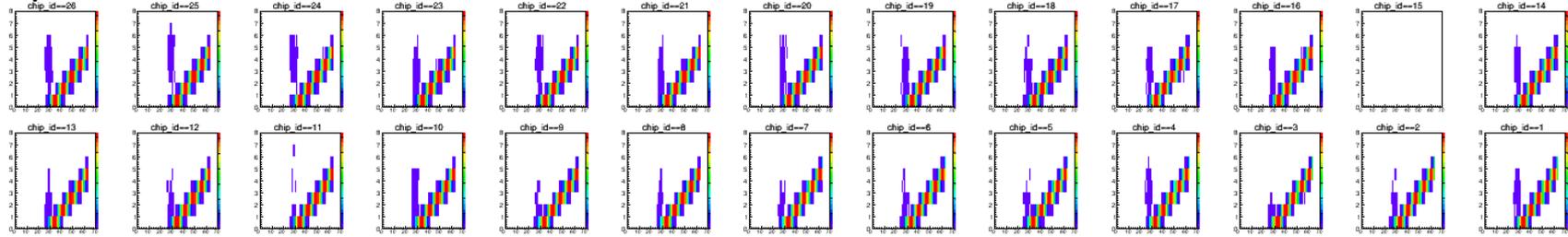
Overview

- ❑ 10 ladders from production encapsulated
- ❑ Wiki page for test monitoring:
https://wiki.bnl.gov/SPHENIX/index.php/Assembly_at_BNL

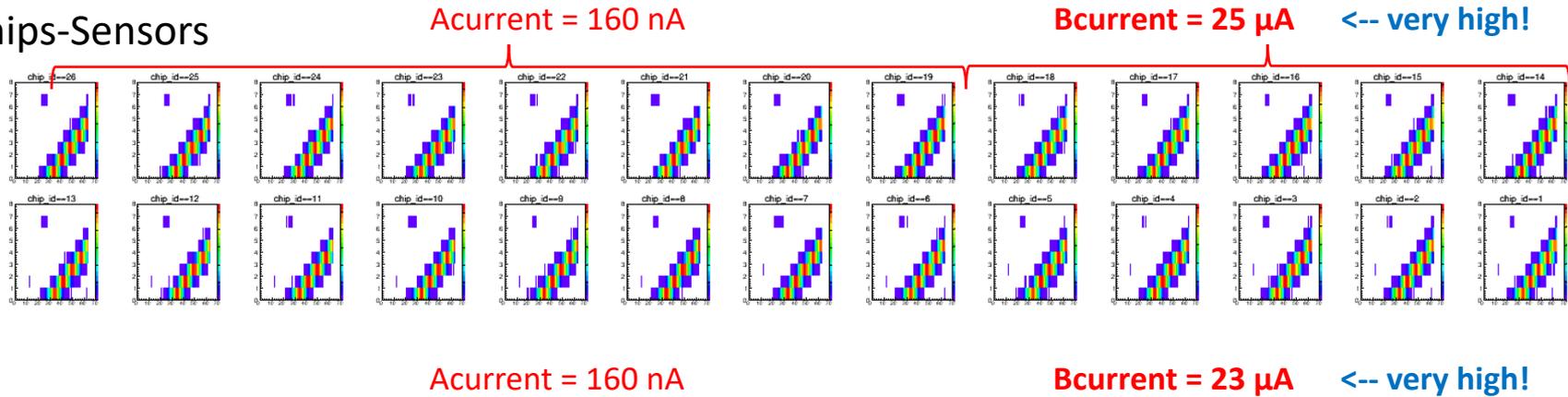
PB2-L003 South

PB2-L003 South – Calibration

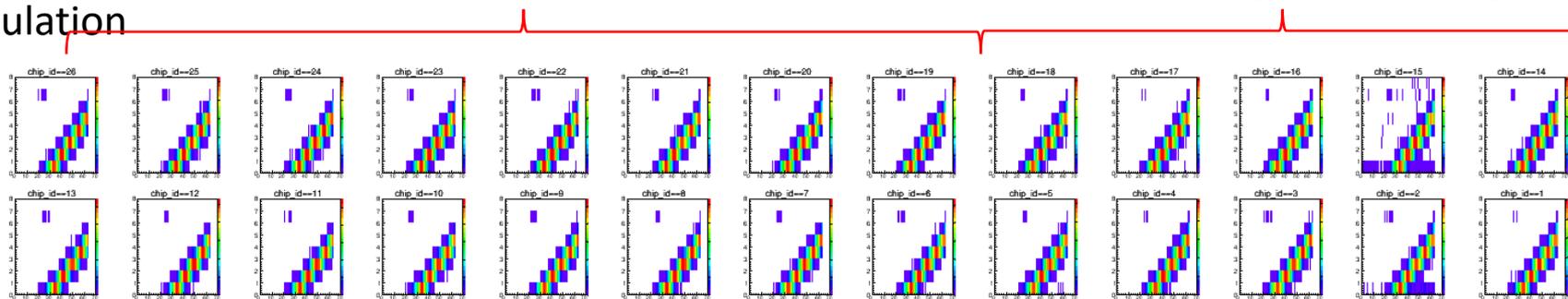
HDIs-Chips



HDIs-Chips-Sensors

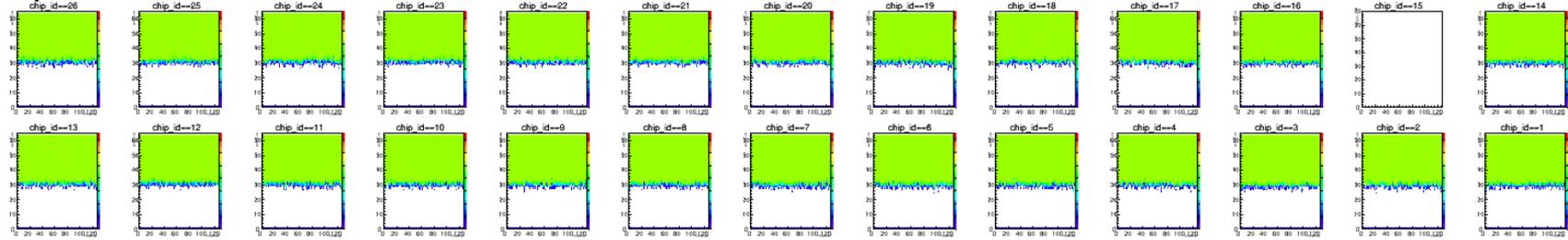


Encapsulation

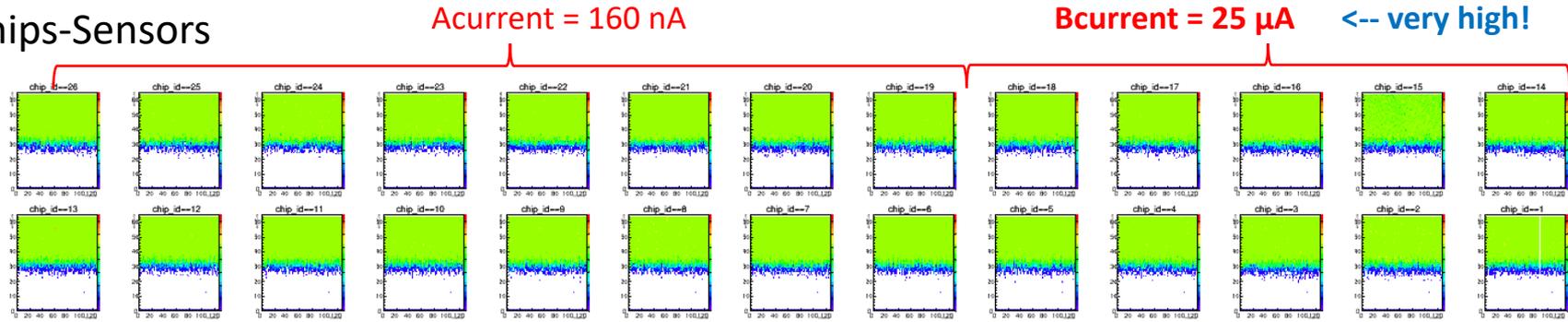


PB2-L003 South – Amplitude

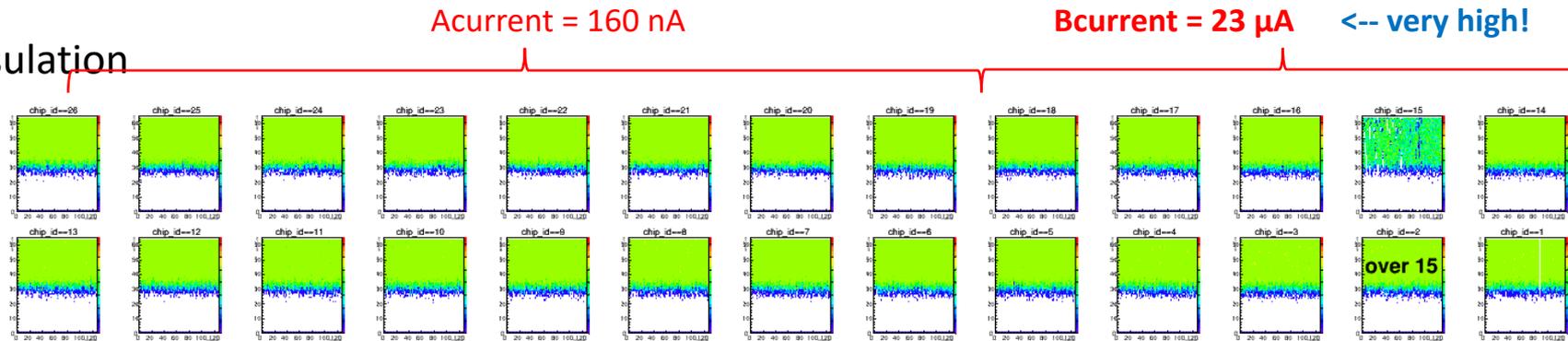
HDIs-Chips



HDIs-Chips-Sensors

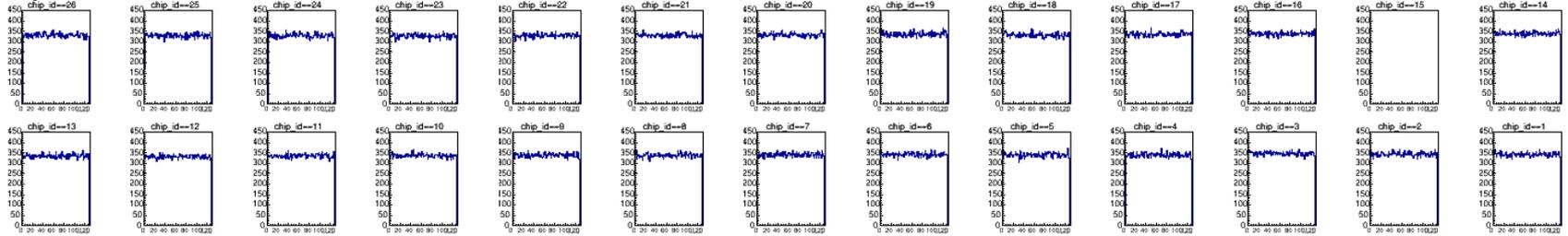


Encapsulation



PB2-L003 South – Entries

HDIs-Chips

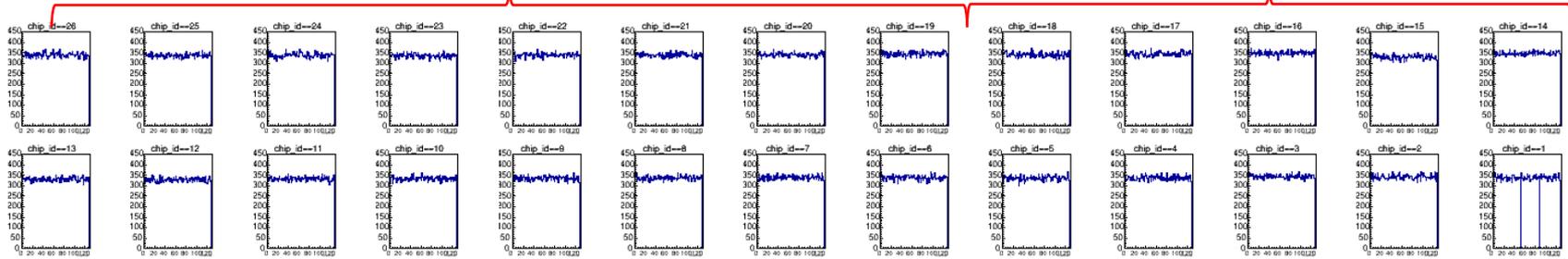


HDIs-Chips-Sensors

Acurrent = 160 nA

Bcurrent = 25 μ A

<-- very high!

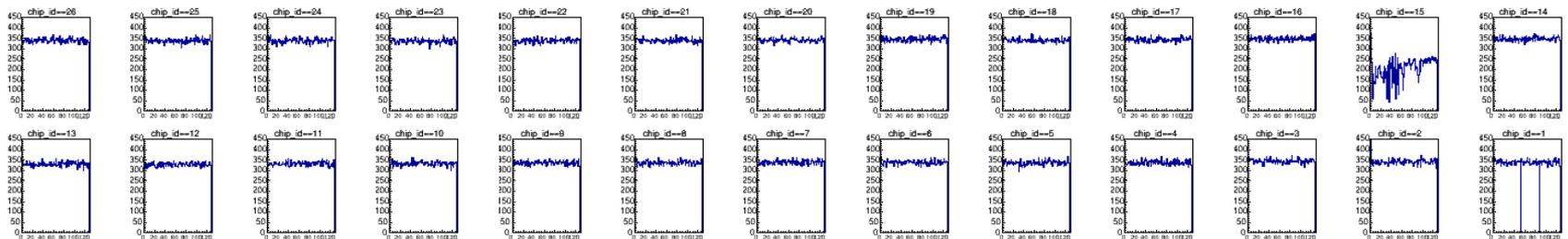


Acurrent = 160 nA

Bcurrent = 23 μ A

<-- very high!

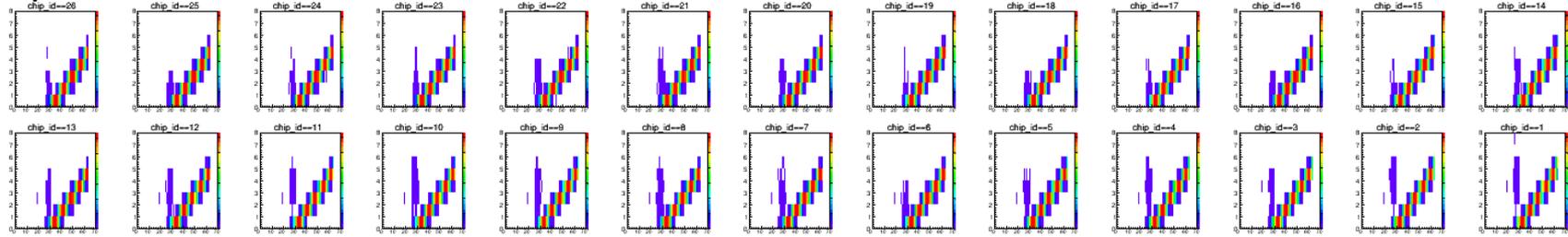
Encapsulation



PB2-L003 North

PB2-L003 North – Calibration

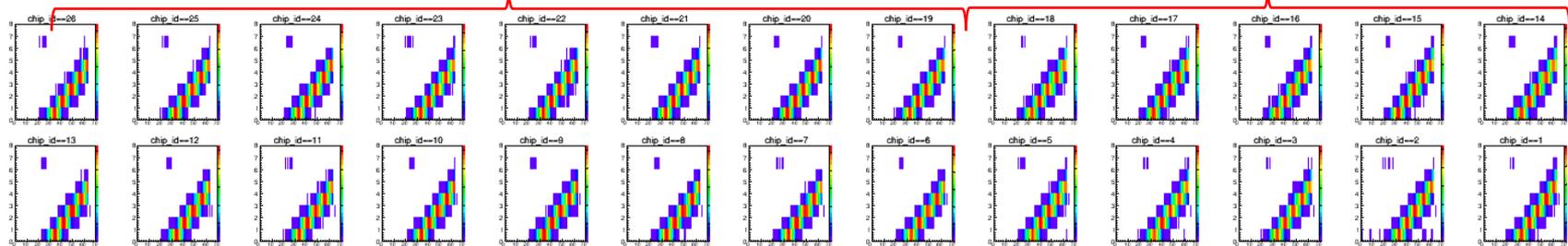
HDIs-Chips



HDIs-Chips-Sensors

Acurrent = 200 nA

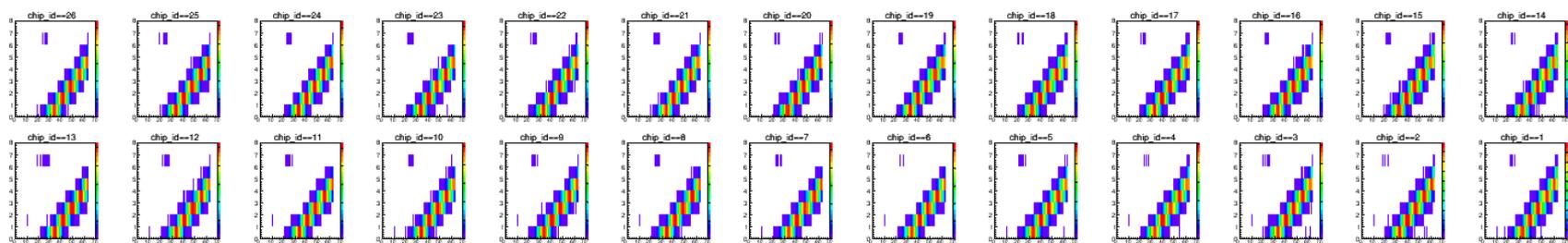
Bcurrent = 250 nA



Encapsulation

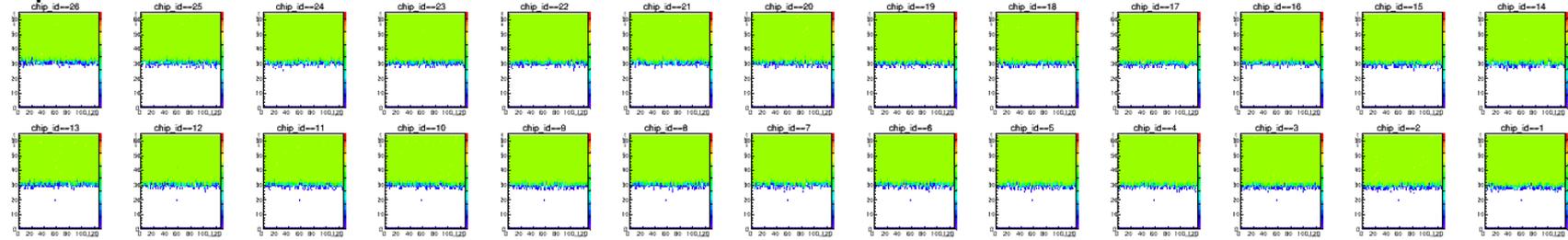
Acurrent = 200 nA

Bcurrent = 270 nA



PB2-L003 North – Amplitude

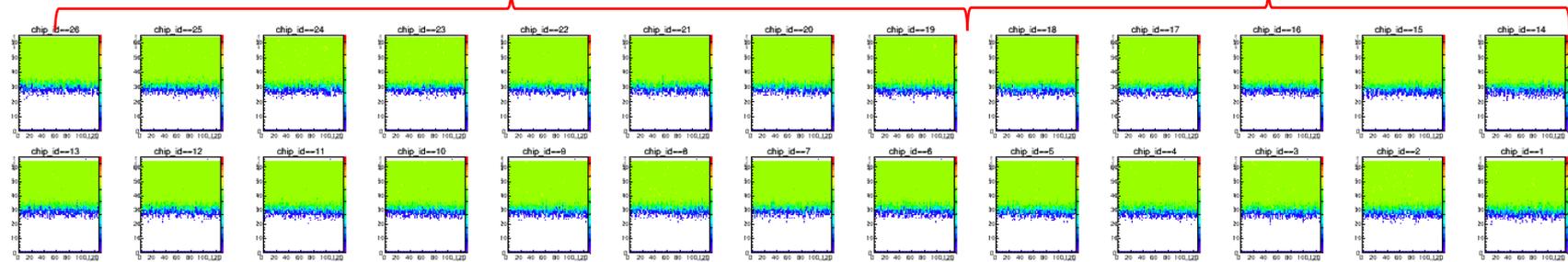
HDIs-Chips



Acurrent = 200 nA

Bcurrent = 250 nA

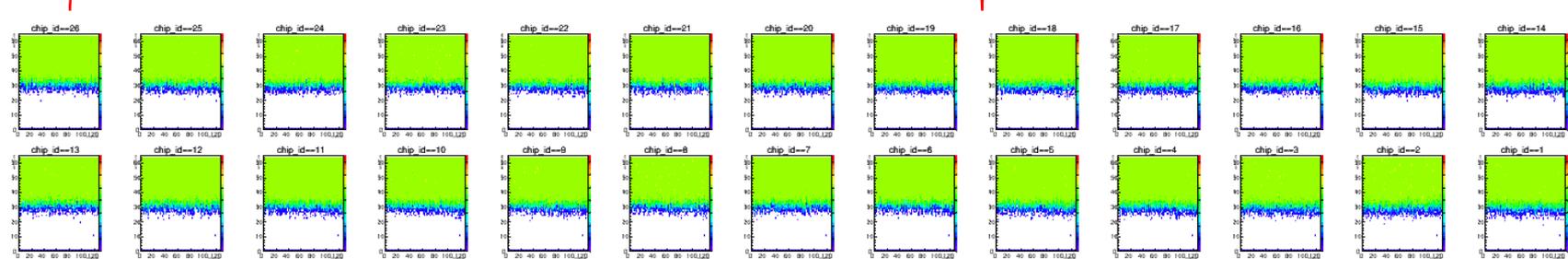
HDIs-Chips-Sensors



Acurrent = 200 nA

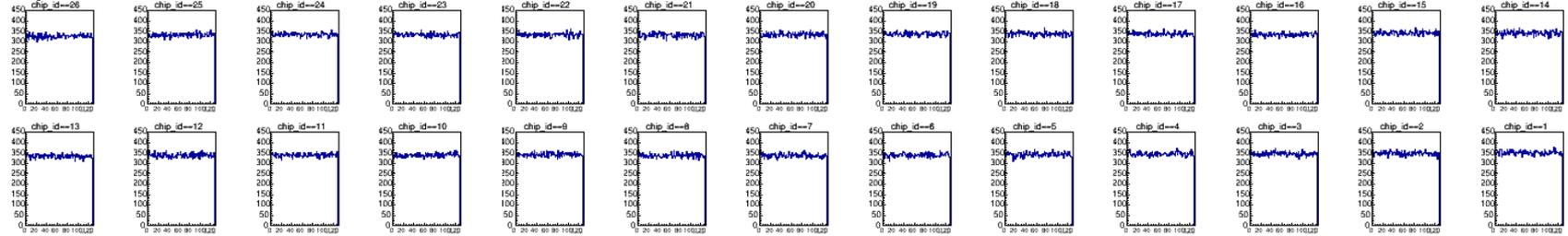
Bcurrent = 270 nA

Encapsulation



PB2-L003 North – Entries

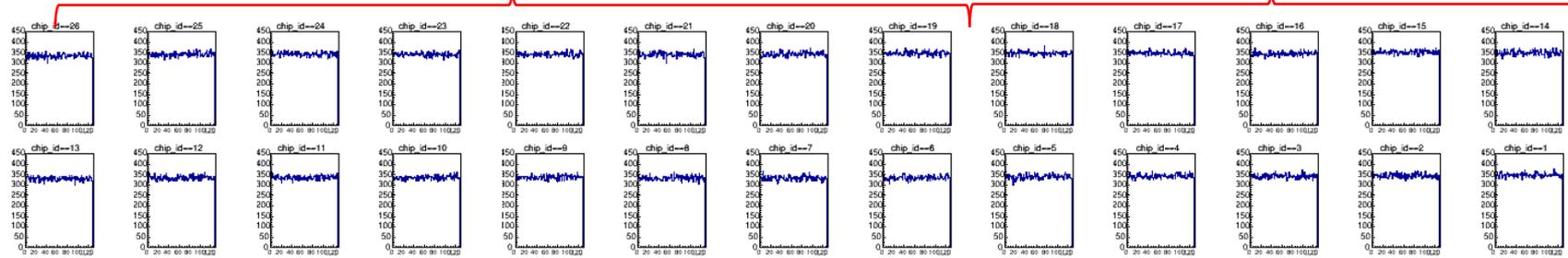
HDIs-Chips



HDIs-Chips-Sensors

Acurrent = 200 nA

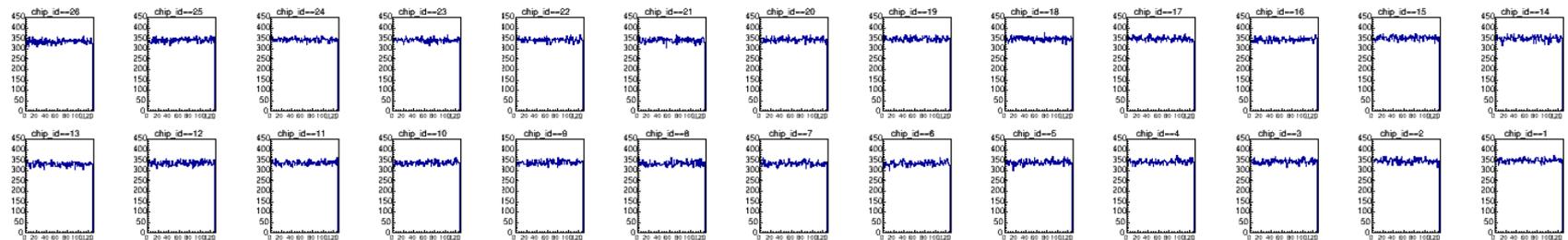
Bcurrent = 250 nA



Encapsulation

Acurrent = 200 nA

Bcurrent = 270 nA



PB2-L003 Summary

- ❑ Chip U15 has been replaced 3 times, problem most likely with HDI
- ❑ High Bcurrent on south side.