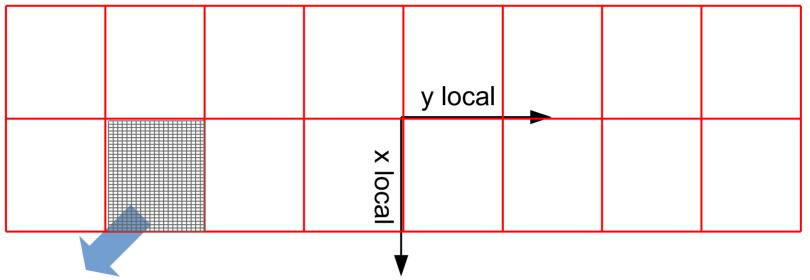
BPIX module (current detector)

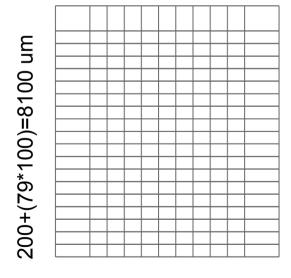
ROC cols = 0...415



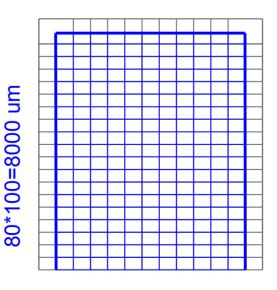


300+(50\*150)+300=8100 um

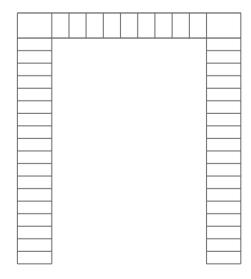
52\*150=7800 um





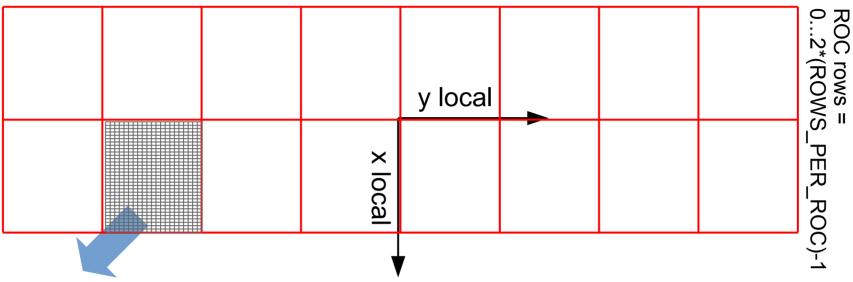


ROC active 7800x8000 um<sup>2</sup> (NB: ROC total 7900x9800 um<sup>2</sup>)

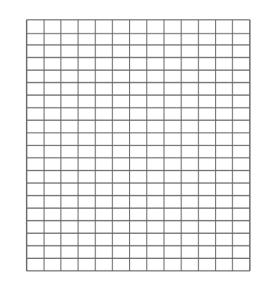


ROC rows = 0...159

"big pixels"

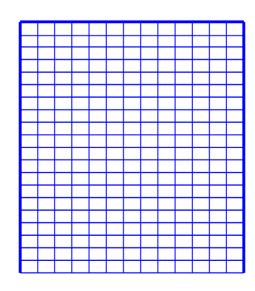


Δy\*COLS\_PER\_ROC=8100 um



Δx\*ROWS\_PER\_ROC=8100 um

Si active 8100x8100 um<sup>2</sup>



"no big pixels"

Current detector (100\*150 um2) when trackerGeometryConstants.upgradeGeometry = cms.bool(True)

- ROWS\_PER\_ROC = 81
- COLS PER ROC= 54

ROC active 8100x8100 um<sup>2</sup>