Requirements
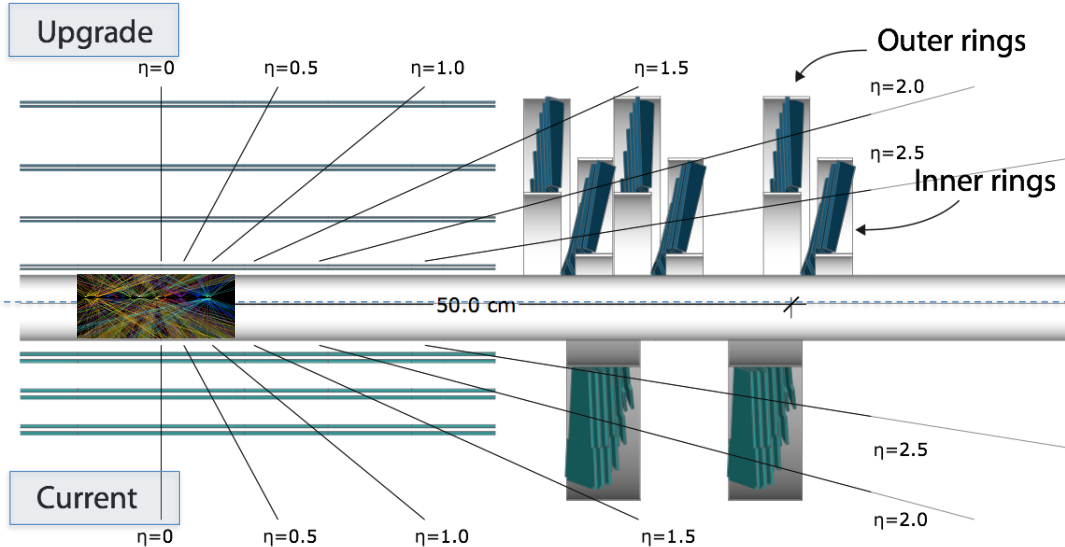

Pixel Upgrade:

- Baseline L = 2×10^{34} cm^{-2}sec^{-1} & 25ns → 50 pileup **(50PU)**

- Tolerate L = 2×10^{34} cm^{-2}sec^{-1} & **50ns** → 100 pileup **(100PU)**

- **Survive Integrated Luminosity of 500fb^{-1}**

- (Evolutionary upgrade with) **minimal disruption of data taking**

- **Same detector concept**: higher rate readout, data link & DAQ w/ less material forward

- **Robustify tracking** : 4 hit coverage