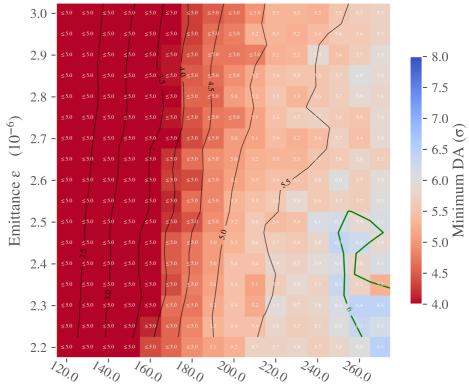
HL-LHC v1.6. E = 7.0 TeV.

$$L_{1/5} = 5.46 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}, L_2 = 1.78 \times 10^{29} \text{cm}^{-2} \text{s}^{-1}, L_8 = 2.05 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$$
  
 $PU_{1/5} = 142, \, \beta_{x,1}^* = 0.15 \text{ m}, \, \beta_{y,1}^* = 0.15 \text{ m}, \, \text{polarity IP}_{2/8} = 1/1$ 

 $\Phi/2_{2,V} = -170 \,\mu\text{rad}, \,\Phi/2_{8,V} = 170 \,\mu\text{rad}$ 

 $\sigma_z = 7.61 \text{ cm}, Q' = 15, I_{MO} = 60.0 \text{ A}, C^- = 0.001$ 25ns 2760b 2748 2492 2574 288bpi 13inj 800ns bs200ns converted.json. Bunch 149.



Crossing angle [mrad] in IP<sub>1,5</sub>