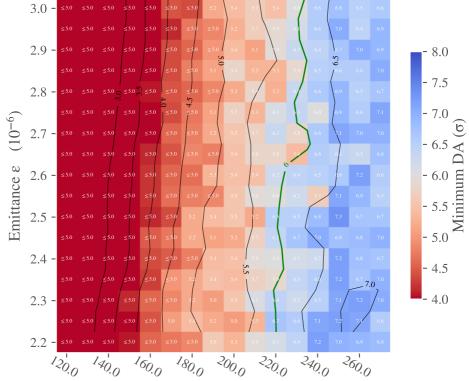
$$\begin{split} \text{HL-LHC v1.6. E} &= 7.0 \text{ TeV. N}_b \simeq 9.26 \times 10^{10} \text{ ppb,} \\ L_2 &= 1.88 \times 10^{29} \text{cm}^{-2} \text{s}^{-1}, \, L_8 = 2.05 \times 10^{33} \text{cm}^{-2} \text{s}^{-1} \\ \text{PU}_{1/5} &= 141, \, \beta_{x,\,\,1}^* = 0.15 \text{ m, } \beta_{y,\,\,1}^* = 0.15 \text{ m, polarity IP}_{2/8} = 1/1 \\ \Phi/2_{2,\,\,V} &= -170 \, \mu \text{rad,} \, \Phi/2_{8,\,\,V} = 170 \, \mu \text{rad} \\ \sigma_z &= 7.61 \, \text{cm, , Q}' = 5.0, \, I_{MO} = -60.0 \, \text{A, C}^- = 0.001 \end{split}$$

 $\sigma_z = 7.61 \text{ cm}$ , Q = 5.0,  $I_{MO} = -60.0 \text{ A}$ , C = 0.00125ns\_2760b\_2748\_2492\_2574\_288bpi\_13inj\_800ns\_bs200ns\_converted.json. Bunch 149.



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