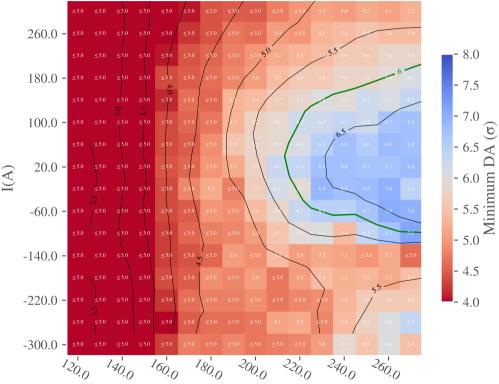
HL-LHC v1.6. E = 7.0 TeV.

$$\begin{split} L_{1/5} = 5.39 \times 10^{34} cm^{-2} s^{-1}, \ L_2 = 1.82 \times 10^{29} cm^{-2} s^{-1}, \ L_8 = 2.05 \times 10^{33} cm^{-2} s^{-1} \\ PU_{1/5} = 140, \ \beta_{x, \, 1}^* = 0.15 \ m, \ \beta_{y, \, 1}^* = 0.15 \ m, \ polarity \ IP_{2/8} = 1/1 \\ \Phi/2_{2, \, V} = -170 \ \mu rad, \ \Phi/2_{8, \, V} = 170 \ \mu rad \end{split}$$

 $\sigma_z=7.61~cm,~\epsilon_n=2.5~\mu m,~Q^{'}=5.0,~C^{-}=0.001\\ 25ns\_2760b\_2748\_2492\_2574\_288bpi\_13inj\_800ns\_bs200ns\_converted.json.~Bunch~149.$ 



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