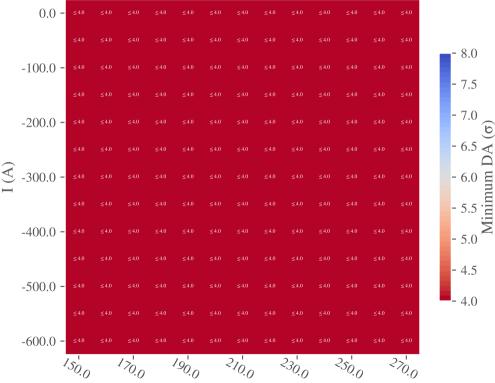
$$\begin{split} \text{HL-LHC v1.6. E} = & \ 7.0 \ \text{TeV. CC} = -190.0 \ \mu\text{rad. N}_b \simeq 1.2 \times 10^{11} \ \text{ppb}, \\ L_{1/5} = & \ 6.17 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}, \ L_2 = 2.89 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}, \ L_8 = 2.01 \times 10^{33} \text{cm}^{-2} \text{s}^{-1} \\ \text{PU}_{1/5} = & \ 159, \ \beta_{x, \ 1}^* = 0.15 \ \text{m}, \ \beta_{y, \ 1}^* = 0.15 \ \text{m}, \ \text{polarity IP}_{2/8} = 1/1 \\ & \ , \ , \ \Phi/2_{2, \ V} = -170 \ \mu\text{rad}, \ \Phi/2_{8, \ V} = 170 \ \mu\text{rad} \\ \sigma_z = & \ 7.61 \ \text{cm}, \ \epsilon_n = 2.5 \ \mu\text{m}, \ Q' = 15, \ I_{MO} = -50.0 \ \text{A}, \ C^- = 0.001 \end{split}$$

 $6_z = 7.61 \text{ cm}, \epsilon_n = 2.5 \text{ }\mu\text{m}, Q = 13, 1_{MO} = -30.0 \text{ A}, C = -0.001$ 25ns\_2760b\_2748\_2492\_2574\_288bpi\_13inj\_800ns\_bs200ns.json. Bunch 150.



Xing angle in IP1/5 (μrad)