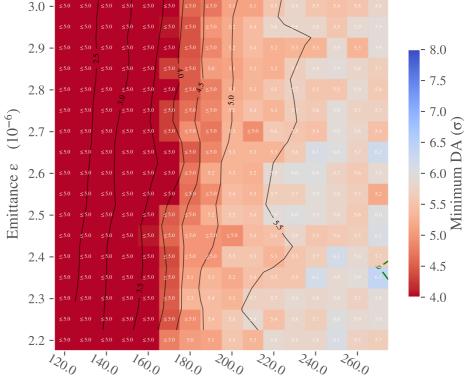
$$\begin{split} \text{HL-LHC v1.6. E} &= 7.0 \text{ TeV. N}_b \simeq 9.26 \times 10^{10} \text{ ppb,} \\ L_2 &= 1.88 \times 10^{29} \text{cm}^{-2} \text{s}^{-1}, \ L_8 = 2.05 \times 10^{33} \text{cm}^{-2} \text{s}^{-1} \\ \text{PU}_{1/5} &= 141, \ \beta_{x,\ 1}^* = 0.15 \ \text{m, } \beta_{y,\ 1}^* = 0.15 \ \text{m, polarity IP}_{2/8} = 1/1 \\ \Phi/2_{2,\ V} &= -170 \ \mu\text{rad,} \ \Phi/2_{8,\ V} = 170 \ \mu\text{rad} \\ \sigma_z &= 7.61 \ \text{cm, , Q}' = 15, \ I_{MO} = -60.0 \ \text{A, C}^- = 0.001 \end{split}$$

 $\sigma_z = 7.61 \text{ cm}$, 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_{1,5}