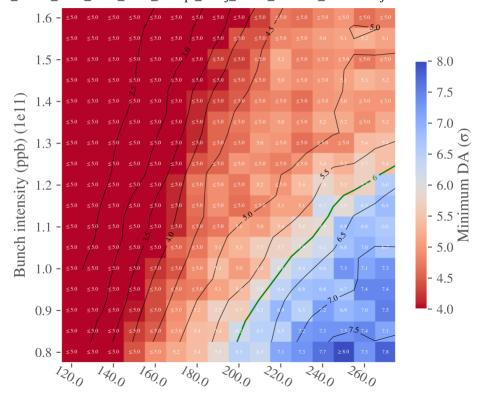
HL-LHC v1.6. E = 7.0 TeV.

 $L_2 = 2.5 \times 10^{29} \text{ cm}^{-2} \text{ s}^{-1}, L_8 = 2.1 \times 10^{33} \text{ cm}^{-2} \text{ s}^{-1}$ 

 $PU_{1/5} = 102$ ,  $\beta_{x=1}^* = 0.15$  m,  $\beta_{y=1}^* = 0.15$  m, polarity  $IP_{2/8} = 1/1$ 

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

 $\sigma_z = 7.61 \text{ cm}, \ \varepsilon_n = 2.5 \ \mu\text{m}, \ Q' = 5.0, \ I_{MO} = -60.0 \ A, \ C^- = 0.001$ 25ns\_2760b\_2748\_2492\_2574\_288bpi\_13inj\_800ns\_bs200ns\_converted.json. Bunch 149.



Crossing angle [mrad] in  $IP_{1,5}$