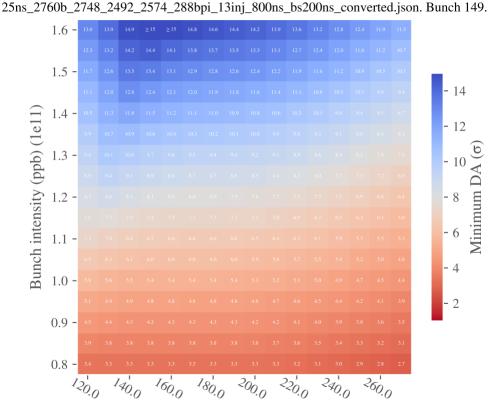
HL-LHC v1.6. E = 7.0 TeV.

 $L_2 = 2.42 \times 10^{29} \text{cm}^{-2} \text{s}^{-1}, L_8 = 2.1 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$

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

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

 $\sigma_z = 7.61 \text{ cm}, \ \varepsilon_n = 2.5 \ \mu\text{m}, \ Q' = 15, \ I_{MO} = 60.0 \ A, \ C^- = 0.001$



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