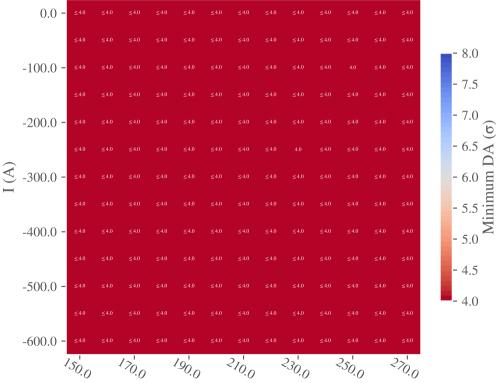HL-LHC v1.6. E = 7.0 TeV. CC = −190.0 μrad. $N_b \simeq 1.08 \times 10^{11}$ ppb, $L_{1/5} = 4.99 \times 10^{34} \text{cm}^{-2}\text{s}^{-1}$, $L_2 = 2.24 \times 10^{30} \text{cm}^{-2}\text{s}^{-1}$, $L_8 = 2 \times 10^{33} \text{cm}^{-2}\text{s}^{-1}$ $PU_{1/5} = 129$, $\beta^*_{x,1} = 0.15$ m, $\beta^*_{y,1} = 0.15$ m, polarity $IP_{2/8} = 1/1$, , $\Phi/2_{2,V} = -170$ μrad, $\Phi/2_{8,V} = 170$ μrad $\sigma_z = 7.61$ cm, $\varepsilon_n = 2.5$ μm, $Q' = 15$, $I_{MO} = -50.0$ A, $C^- = 0.001$ 25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns.json. Bunch 150.