

HL-LHC v1.6. E = 7.0 TeV. CC = $-190.0 \mu\text{rad}$. $N_b \simeq 1.2 \times 10^{11}$ ppb,
 $L_{1/5} = 6.17 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}$, $L_2 = 2.89 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}$, $L_8 = 2.01 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$
 $\text{PU}_{1/5} = 159$, $\beta_{x,1}^* = 0.15 \text{ m}$, $\beta_{y,1}^* = 0.15 \text{ m}$, polarity $\text{IP}_{2/8} = 1/1$
 $\text{, , } \Phi/2_{2,\text{v}} = -170 \mu\text{rad}$, $\Phi/2_{8,\text{v}} = 170 \mu\text{rad}$
 $\sigma_z = 7.61 \text{ cm}$, $\epsilon_n = 2.5 \mu\text{m}$, $Q' = 15$, $I_{\text{MO}} = -50.0 \text{ A}$, $C^- = 0.001$
25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns.json. Bunch 150.

