

HL-LHC v1.6. E = 7.0 TeV. CC = -190.0 μ rad. $N_b \simeq 1.03 \times 10^{11}$ ppb,

$L_{1/5} = 4.98 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}$, $L_2 = 1.57 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}$, $L_8 = 1.98 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$

$\text{PU}_{1/5} = 131$, $\beta_{x,1}^* = 0.18 \text{ m}$, $\beta_{y,1}^* = 0.075 \text{ m}$, polarity $\text{IP}_{2/8} = 1/1$

$\Phi/2_{1(\text{H})} = 250 \mu\text{rad}$, $\Phi/2_{5(\text{V})} = 250 \mu\text{rad}$, $\Phi/2_{2,\text{V}} = -170 \mu\text{rad}$, $\Phi/2_{8,\text{V}} = 170 \mu\text{rad}$

$\sigma_z = 7.61 \text{ cm}$, $\epsilon_n = 2.5 \mu\text{m}$, $Q' = 5.0$, $I_{\text{MO}} = -60.0 \text{ A}$, $C^- = 0.001$

25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns_converted.json. Bunch 149.

