

HL-LHC v1.6. E = 7.0 TeV. CC = $-190.0 \mu\text{rad}$. $N_b \approx 1.2 \times 10^{11}$ ppb,

$L_{1/5} = 5.06 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}$, $L_2 = 1.62 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}$, $L_8 = 1.99 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$

PU $_{1/5} = 148$, $\beta_{x,1}^* = 0.15 \text{ m}$, $\beta_{y,1}^* = 0.15 \text{ m}$, polarity IP $_{2/8} = 1/1$

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

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

25ns_2464b_2452_1842_1821_236bpi_12inj. Bunch 411.

