

HL-LHC v1.6. E = 7.0 TeV. CC = 0.0 μ rad. $N_b \simeq 2.2 \times 10^{11}$ ppb,

$L_{1/5} = 2.44 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}$, $L_2 = 6.71 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}$, $L_8 = 1.97 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$

PU_{1/5} = 64.2, $\beta_{y,1}^* = 0.9$ m, $\beta_{x,1}^* = 1.8$ m, polarity IP_{2/8} = 1/1

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

$\sigma_z = 7.61$ cm, $\varepsilon_n = 2.3$ μ m, $Q' = 15$, $I_{\text{MO}} = 300$ A, $C^- = 0.001$

25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns.json. Bunch 150.

