

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

$L_{1/5} = 2.48 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}$, $L_2 = 7.2 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}$, $L_8 = 1.97 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$

$\beta_{x,1}^* = 1.1$ m, $\beta_{y,1}^* = 1.1$ m, polarity $\text{IP}_{2/8} = 1/1$

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

$\sigma_z = 7.61$ cm, $\epsilon_n = 2.3$ μm , $Q' = 15$, $I_{MO} = -300.0$ A, $C^- = 0.001$

25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns.json. Bunch 150.

