

HL-LHC v1.6. E = 7.0 TeV. CC = 0.0 μ rad. $N_b \simeq 1.89 \times 10^{11}$ ppb.

$L_1 \simeq 6.44 \times 10^{34}$ cm $^{-2}$ s $^{-1}$. PU $_1 \simeq 237$. $L_5 \simeq 6.4 \times 10^{34}$ cm $^{-2}$ s $^{-1}$. PU $_5 \simeq 235$.

$L_2 \simeq 1.03 \times 10^{28}$ cm $^{-2}$ s $^{-1}$. PU $_2 \simeq 6.27 \times 10^{-5}$. $L_8 \simeq 2.38 \times 10^{33}$ cm $^{-2}$ s $^{-1}$. PU $_8 \simeq 9.08$.

$\beta_{x,1}^* = 0.15$ m, $\beta_{y,1}^* = 0.15$ m. polarity IP $_{2/8} = 1/1$. $\sigma_z = 7.61$ cm.

$\Phi/2_{1(H)} = 250$ μ rad. $\Phi/2_{5(V)} = 250$ μ rad. $\Phi/2_2 = -170$ μ rad. $\Phi/2_{8,V} = 170$ μ rad.

$\varepsilon_n = 2.5$ μ m. $Q' = 15$. I $_{OCT} = -60.0$ A. C $^- = 0.001$.

8b4e_1972b_1960_1178_1886_224bpi_12inj. Bunch 88.

