

run III (2023). E = 6.8 TeV. $N_b \simeq 1.1 \times 10^{11}$ ppb, $L_{1/5} = 2 \times 10^{34} \text{ cm}^{-2} \text{ s}^{-1}$.

$\beta_{x, \text{IP1}}^* = 0.2 \text{ m}$, $\beta_{y, \text{IP1}}^* = 0.2 \text{ m}$, $\Phi/2_{\text{IP1(V)}} = 174 \mu\text{rad}$, $\Phi/2_{\text{IP5(H)}} = 174 \mu\text{rad}$

$\Phi/2_{\text{IP2, V}} = 200 \mu\text{rad}$, $\Phi/2_{\text{IP8, V}} = 200 \mu\text{rad}$, polarity $\text{IP}_{2/8} = 1/1$

$\sigma_z = 9.0 \text{ cm}$, $\epsilon_n = 2.2 \mu\text{m}$, $Q' = 15.0$, $I_{\text{MO}} = 300.0 \text{ A}$, $C^- = 0.0$

25ns_2464b_2452_1842_1821_236bpi_12inj. Bunch 411.

