

Run III (2024). E = 557.6 TeV.  $N_b \simeq 1.8 \times 10^8$  ppb,

$L_{1/5} = 6.401 \times 10^{27} \text{ cm}^{-2} \text{ s}^{-1}$ ,  $L_2 = 6.402 \times 10^{27} \text{ cm}^{-2} \text{ s}^{-1}$ ,  $L_8 = 1.045 \times 10^{27} \text{ cm}^{-2} \text{ s}^{-1}$

$\beta_{x, \text{IP1}}^* = 0.5 \text{ m}$ ,  $\beta_{y, \text{IP1}}^* = 0.5 \text{ m}$ , polarity  $\text{IP}_{2/8} = 1/-1$

$\Phi/2_{\text{IP1(V)}} = 170 \text{ } \mu\text{rad}$ ,  $\Phi/2_{\text{IP5(H)}} = 170 \text{ } \mu\text{rad}$ ,  $\Phi/2_{\text{IP2, V}} = -170 \text{ } \mu\text{rad}$ ,  $\Phi/2_{\text{IP8, H}} = -135 \text{ } \mu\text{rad}$

$\sigma_z = 8.24 \text{ cm}$ ,  $\epsilon_n = 1.65 \text{ } \mu\text{m}$ ,  $Q' = 10.0$ ,  $I_{\text{MO}} = 100.0 \text{ A}$ ,  $C^- = 0.001$

50ns\_1240b\_1088\_1088\_398\_56bpi\_PbPb\_converted.json. Bunch 480.

