

Run III (2024). E = 6.8 TeV.  $N_b \simeq 1.1 \times 10^{11}$  ppb,  
 $L_{1/5} = 2 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}$ ,  $L_2 = 1.1 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}$ ,  $L_8 = 2 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$

$\beta_{x, \text{IP1}}^* = 0.5$  m,  $\beta_{y, \text{IP1}}^* = 0.15$  m, polarity  $\text{IP}_{2/8} = 1/1$

$\Phi/2_{\text{IP1(H)}} = -150$   $\mu\text{rad}$ ,  $\Phi/2_{\text{IP5(V)}} = -150$   $\mu\text{rad}$ ,  $\Phi/2_{\text{IP2, V}} = 200$   $\mu\text{rad}$ ,  $\Phi/2_{\text{IP8, V}} = 200$   $\mu\text{rad}$

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

25ns\_2464b\_2452\_1842\_1821\_236bpi\_12inj. Bunch 411.

