

$$\text{runIII. } E = 6.8 \text{ TeV. } N_b \simeq 1.26 \times 10^{11} \text{ ppb,} \\ L_{1/5} = 2.01 \times 10^{34} \text{ cm}^{-2} \text{ s}^{-1}, L_2 = 1.81 \times 10^{30} \text{ cm}^{-2} \text{ s}^{-1}, L_8 = 2.01 \times 10^{33} \text{ cm}^{-2} \text{ s}^{-1}$$
$$L_{1/5} = 2.01 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}, L_2 = 1.81 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}, L_8 = 2.01 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$$
$$\beta_{x,1}^* = 0.3 \text{ m}, \beta_{y,1}^* = 0.3 \text{ m}, \text{polarity IP}_{2/8} = 1/1$$

$$\Phi/2_{1(V)} = 160 \text{ } \mu\text{rad}, \Phi/2_{5(H)} = 160 \text{ } \mu\text{rad}, \Phi/2_{2,V} = 200 \text{ } \mu\text{rad}, \Phi/2_{8,V} = 200 \text{ } \mu\text{rad}$$
$$\Phi/2_{1(V)} = 160 \text{ } \mu\text{rad}, \Phi/2_{5(H)} = 160 \text{ } \mu\text{rad}, \Phi/2_{2,V} = 200 \text{ } \mu\text{rad}, \Phi/2_{8,V} = 200 \text{ } \mu\text{rad}$$

$\sigma_z = 9.0$  cm,  $\epsilon_n = 2.5$   $\mu$ m,  $Q' = 15.0$ ,  $I_{MO} = -590.0$  A,  $C^- = 0.0$   
25ns\_2556b\_2544\_2211\_2327\_3x48bpi\_20inj.json.json. Bunch 1009.

25ns\_2556b\_2544\_2211\_2327\_3x48bpi\_20inj.json.json. Bunch 1009.

