

runIII. E = 6.8 TeV.  $N_b \simeq 1.26 \times 10^{11}$  ppb,

$L_{1/5} = 2.01 \times 10^{34} \text{ cm}^{-2} \text{ s}^{-1}$ ,  $L_2 = 1.81 \times 10^{30} \text{ cm}^{-2} \text{ s}^{-1}$ ,  $L_8 = 2.01 \times 10^{33} \text{ cm}^{-2} \text{ s}^{-1}$

$\beta_{x,1}^* = 0.3 \text{ m}$ ,  $\beta_{y,1}^* = 0.3 \text{ m}$ , polarity  $\text{IP}_{2/8} = 1/1$

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

$\sigma_z = 9.0 \text{ cm}$ ,  $\epsilon_n = 2.5 \text{ } \mu\text{m}$ ,  $Q' = 15.0$ ,  $I_{MO} = -590.0 \text{ A}$ ,  $C^- = 0.0$

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

