Run III (2023). E = 6.8 TeV. $N_b \simeq 1.2 \times 10^{11} \text{ ppb}$, $L_{1/5} = 2 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}, L_2 = 1.4 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}, L_8 = 2 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$ $\beta_{x \text{ IP1}}^* = 0.3 \text{ m}, \beta_{y \text{ IP1}}^* = 0.3 \text{ m}, \text{ polarity IP}_{2/8} = 1/1$ $\Phi/2_{\text{IP1(V)}} = 160 \,\mu\text{rad}, \,\Phi/2_{\text{IP5(H)}} = 160 \,\mu\text{rad}, \,\Phi/2_{\text{IP2, V}} = 200 \,\mu\text{rad}, \,\Phi/2_{\text{IP8, V}} = 200 \,\mu\text{rad}$ $\sigma_z = 9.0 \text{ cm}, \ \varepsilon_n = 2.2 \ \mu\text{m}, \ Q' = 15.0, \ I_{MO} = 300.0 \ A, \ C^- = 0.0$ 25ns_2464b_2452_1842_1821_236bpi_12inj. Bunch 411. 65.302 65.302 65.312 65.312 65.312 65.310 65.35 60.329 8.0 60.325 - 3.1- 7.5 - 7.0 _{- 6.5} ල 60.321 -60.319 -60.317 -60.315 -60.313 -

Horizontal tune Q_x

/ertical tune Q_v

60.311 -

60.309