Run III (2024). E = 6.8 TeV. $N_b \simeq 1.1 \times 10^{11} \text{ ppb}$, $L_{1/5} = 2 \times 10^{34} \text{ cm}^{-2} \text{ s}^{-1}, L_2 = 1.1 \times 10^{30} \text{ cm}^{-2} \text{ s}^{-1}, L_8 = 2 \times 10^{33} \text{ cm}^{-2} \text{ s}^{-1}$ $\beta_{x \text{ IP1}}^* = 0.5 \text{ m}, \beta_{y \text{ IP1}}^* = 0.15 \text{ m}, \text{ polarity IP}_{2/8} = 1/1$ $\Phi/2_{\text{IP1(H)}} = -145 \,\mu\text{rad}, \,\Phi/2_{\text{IP5(V)}} = -145 \,\mu\text{rad}, \,\Phi/2_{\text{IP2, V}} = 200 \,\mu\text{rad}, \,\Phi/2_{\text{IP8, V}} = 200 \,\mu\text{rad}$ $\sigma_z = 9.0 \text{ cm}, \ \varepsilon_n = 2.2 \ \mu\text{m}, \ Q' = 15.0, \ I_{MO} = 300.0 \ A, \ C^- = 0.0$ 25ns 2464b_2452_1842_1821_236bpi_12inj. Bunch 411. 65.3026.3026.3006.31765.31265.31265.3106.35765.358 60.329 -60.325 - 40- 7.0 60.323 - 41 _{- 6.5} ල 60.321 -60.319 - 3.9 60.317 -60.315 -60.313 -60.311 -60.309 -

Horizontal tune Q_x

/ertical tune Q_v