Run III (2024). E = 557.6 TeV. $N_b \simeq 1.8 \times 10^8$ ppb, $L_{1/5} = 6.403 \times 10^{27} \text{ cm}^{-2} \text{ s}^{-1}, L_2 = 6.404 \times 10^{27} \text{ cm}^{-2} \text{ s}^{-1}, L_8 = 8.054 \times 10^{26} \text{ cm}^{-2} \text{ s}^{-1}$ $\beta_{x \text{ IP1}}^* = 0.5 \text{ m}, \beta_{y \text{ IP1}}^* = 0.5 \text{ m}, \text{ polarity IP}_{2/8} = 1/-1$ $\Phi/2_{\text{IP1(V)}} = 170 \,\mu\text{rad}, \,\Phi/2_{\text{IP5(H)}} = 170 \,\mu\text{rad}, \,\Phi/2_{\text{IP2 V}} = -170 \,\mu\text{rad}, \,\Phi/2_{\text{IP8 H}} = -170 \,\mu\text{rad}$ $\sigma_z = 8.24 \text{ cm}, \ \varepsilon_n = 2.2 \ \mu\text{m}, \ Q' = 10.0, \ I_{MO} = 100.0 \ A, \ C^- = 0.001$ 50ns_1240b_1088_1088_398_56bpi_PbPb_converted.json. Bunch 480. 65^{.30} 65^{.30} 65^{.31} 65^{.31} 65^{.31} 65^{.31} 65^{.31} 65^{.31} 65^{.32} 65^{.35} 65^{.35} 65^{.35} 60.329 -60.327 -20 60.325 -- 18 60.323 -60.315 - 15.8 16.6 16.2 60,313 - 17.0 16.9 17.1 60.311 - 17.9 18.4 18.1 60.309 -

Horizontal tune Q_x

/ertical tune Q_y