Run III (2024) (ions). E = 6.8 Z TeV. $N_b \simeq 1.8 \times 10^8 \text{ ppb}$, $L_{1/5} = 6.402 \times 10^{27} \text{ cm}^{-2} \text{s}^{-1}, L_2 = 6.402 \times 10^{27} \text{ cm}^{-2} \text{s}^{-1}, L_8 = 9.81 \times 10^{26} \text{ cm}^{-2} \text{s}^{-1}$ $\beta_{x \text{ IP1}}^* = 0.5 \text{ m}, \beta_{y \text{ IP1}}^* = 0.5 \text{ m}, \text{ polarity IP}_{2/8} = 1/1$ $\Phi/2_{\text{IP1(V)}} = 170 \,\mu\text{rad}, \,\Phi/2_{\text{IP5(H)}} = 170 \,\mu\text{rad}, \,\Phi/2_{\text{IP2 V}} = -170 \,\mu\text{rad}, \,\Phi/2_{\text{IP8 H}} = -235 \,\mu\text{rad}$ $\sigma_z = 8.24 \text{ cm}, \ \varepsilon_n = 2.2 \ \mu\text{m}, \ Q' = 10.0, \ I_{MO} = 100.0 \ A, \ C^- = 0.001$ 50ns_1240b_1088_1088_398_56bpi_PbPb_converted.json. Bunch 488. 60.329 -60.327 -60.325 -60.323 -60.321 -60.319 -60.317 -60.315 -60.313 -60.311 60.309 -60.307 -60.305

Horizontal tune Q_x

Vertical tune Q_y