```
Run III (2024). E = 6.8 \text{ TeV}. N_b \simeq 1.09 \times 10^{11} \text{ ppb},
        L_{1/5} = 2 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}, L_2 = 1.14 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}, L_8 = 2 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}
                           \beta_{x,1}^* = 0.5 \text{ m}, \ \beta_{y,1}^* = 0.15 \text{ m}, \ \text{polarity IP}_{2/8} = 1/1
 \Phi/2_{1(H)} = -155 \text{ } \mu \text{rad}, \ \Phi/2_{5(V)} = -155 \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}, \ \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.
           8.0
60.325 -
                                                                                                                         - 7.5
60.323 -
                                                                                                                         - 7.0
60.321 -
60.319 -
60.315 -
60.313 -
60.309 -
60.307 -
60.305 - 535
                                             Horizontal tune Q<sub>x</sub>
```

Vertical tune Q_v