```
Run III (hybrid). E = 6.8 TeV. N_b \simeq 1.225 \times 10^{11} ppb,
 L_{1/5} = 2.017 \times 10^{34} \text{ cm}^{-2} \text{ s}^{-1}, L_2 = 1.598 \times 10^{30} \text{ cm}^{-2} \text{ s}^{-1}, L_8 = 2.013 \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 \text{ }\mu\text{rad}, \Phi/2_{\text{IP5(H)}} = 160 \text{ }\mu\text{rad}, \Phi/2_{\text{IP2, V}} = 200 \text{ }\mu\text{rad}, \Phi/2_{\text{IP8, 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.
       7.0
                                                                                                                          - 6.5
60.319 -
60.317 -
60.315 -
60.313 -
                                                                                                                          - 5.0
60.311 -
60.309 -
60.307 -
```

Horizontal tune O_x

Vertical tune Q_v