```
runIII. E = 6.8 TeV. N_b \simeq 1.25 \times 10^{11} ppb,
    L_{1/5} = 1.99 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}, L_2 = 1.77 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}, L_8 = 2.01 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}
                             \beta_{x,1}^* = 0.3 \text{ m}, \beta_{y,1}^* = 0.3 \text{ m}, \text{ polarity IP}_{2/8} = 1/1
    \Phi/2_{1(V)} = 160 \,\mu\text{rad}, \,\Phi/2_{5(H)} = 160 \,\mu\text{rad}, \,\Phi/2_{2,\,V} = 200 \,\mu\text{rad}, \,\Phi/2_{8,\,V} = 200 \,\mu\text{rad}
                 \sigma_z = 9.0 \text{ cm}, \ \epsilon_n = 2.5 \ \mu\text{m}, \ Q' = 15.0, \ I_{MO} = 300.0 \ A, \ C^- = 0.0
          25ns_2556b_2544_2211_2327_3x48bpi_20inj.json.json. Bunch 1009.
60.329 -
                                                                                                                                7.0
60.325 -
                                                                                                                              - 6.5
60.323 - ≤4
60.321 - 45
60.317
60.315 -
                                                                                                                              - 5.0
60.313 -
60.311 -
60.309 -
                                               Horizontal tune Q<sub>x</sub>
```

/ertical tune Q_v