```
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_{v,1}^* = 0.3 \text{ m}, \beta_{v,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}, \ \varepsilon_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.
        6302 6302 6300 631 6313 65312 65312 6531 6535 6535 6535
7.0
         - 6.5
60.315 - 47
                                                                                  - 5.0
60.313 -
60.311 -
60.309 -
                               Horizontal tune Q<sub>x</sub>
```

rertical tune Q_v