```
runIII. E = 6.8 TeV. N_b \simeq 1.24 \times 10^{11} ppb,
   L_{1/5} = 1.99 \times 10^{34} \text{ cm}^{-2} \text{ s}^{-1}, L_2 = 1.81 \times 10^{30} \text{ cm}^{-2} \text{ s}^{-1}, L_8 = 2 \times 10^{33} \text{ cm}^{-2} \text{ s}^{-1}
                 \beta_{x,1}^* = 0.3 \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}, \ \varepsilon_n = 2.5 \ \mu\text{m}, \ Q' = 15.0, \ I_{MO} = 300.0 \ A, \ C^- = 0.0
         25ns_2604b_2592_2310_2421_4x48bpi_16inj.json. Bunch 978.
       7.0
        - 6.5
60.319 -
60.315 -
                                                                           - 5.0
60.313 -
60.311 -
60.309 -
                            Horizontal tune Q<sub>x</sub>
```

rertical tune Q<sub>v</sub>