```
runIII. E = 6.8 TeV. N_b \simeq 1.25 \times 10^{11} ppb,
    L_{1/5} = 2.01 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}, L_2 = 1.85 \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 rad, \ \Phi/2_{5(H)} = 160 \mu rad, \ \Phi/2_{2. V} = 200 \mu rad, \ \Phi/2_{8. V} = 200 \mu rad
          \sigma_z = 9.0 \text{ cm}, \ \epsilon_n = 2.5 \ \mu\text{m}, \ Q' = 15.0, \ I_{MO} = -590.0 \ A, \ C^- = 0.0
          25ns_2604b_2592_2310_2421_4x48bpi_16inj.json. Bunch 978.
        7.0
- 6.5
60.321 - 4.5 4.5 4.5 4.5 4.5 4.6 4.6 4.6 4.7 4.6
60.315 - 4.5 \le 4.5 \le 4.5 = 4.5
                                                                                   - 5.0
60.313 - 4.5 \le 4.5
60.311 - 4.5
60.309 -
                               Horizontal tune Q<sub>x</sub>
```

rertical tune Q_v