Injection (runIII 2023). E = 0.45 TeV.  $N_b \simeq 2.3 \times 10^{11}$  ppb,  $\beta_{x,\,1}^* = 11$  m,  $\beta_{y,\,1}^* = 11$  m, polarity IP $_{2/8} = 1/1$ , phase\_change = 0.0  $\sigma_z = 7.61$  cm,  $\epsilon_n = 2.5$   $\mu$ m, Q' = 15.0,  $C^- = 0.001$  25ns\_2452b\_2440\_1952\_2240\_248bpi\_12inj. Bunch 1130.

7.5

- 7.0

- 6.5

- 5.0

- 4.0

- 3.5

3.0

<del>اق</del> 6.0 -

