Injection (runIII 2023). E = 0.45 TeV.  $N_b \simeq 2.3 \times 10^{11}$  ppb,  $\beta_{x,\,1}^* = 0.1 \text{ m}, \ \beta_{y,\,1}^* = 0.1 \text{ m}, \ \text{polarity IP}_{2/8} = 1/1$   $\sigma_z = 7.61 \text{ cm}, \ \epsilon_n = 2.5 \text{ } \mu\text{m}, \ Q^{'} = 15.0, \ C^- = 0.0$   $25 \text{ns}\_2452 \text{b}\_2440\_1952\_2240\_248 \text{bpi}\_12 \text{inj}. \ \text{Bunch } 1130.$ 

