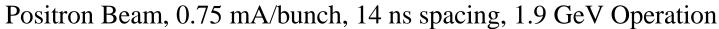
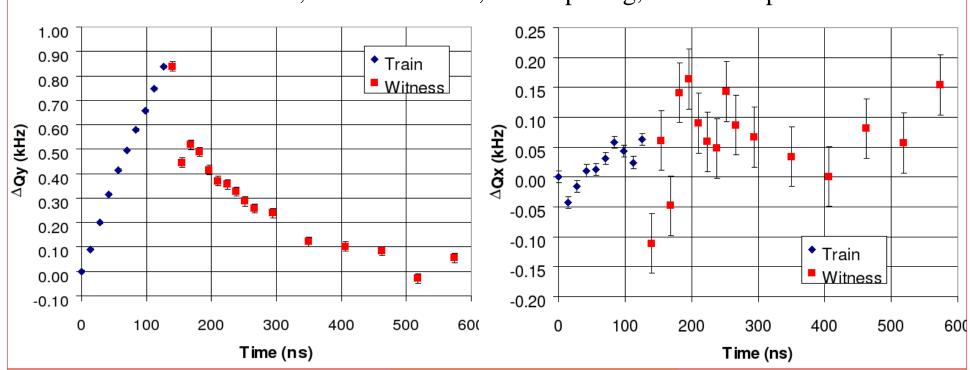
- Initial train of 10 bunches 

  generate 

  ge
- Bunch-by-bunch, turn-by-turn beam position monitor





Error bars represent scatter observed during a sequence of measurements

 $1 \text{ kHz} \Rightarrow \Delta v = 0.0026$  $\rho_e \sim 1.5 \times 10^{11} \text{ m}^{-3}$ 

**Preliminary** 

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