# Matlab Feedback Prototypes

**Feedback Loop Prototypes**

- Matlab Framework for Feedback Applications

- soft IOC for stored Feedback data and dynamic setpoints

- soft IOC simulator to generate data for feedback testing

- Individual Feedbacks
  - Bunch Charge
  - Injector Launch
  - Injector Transverse Deflector
    - This feedback is integrated into the Matlab Bunch Length Measurement application. See Bunch Length Measurement
  - DL1 Energy
    - *or Energy at Injector Spectrometer*
  - DL1 Energy + BC1 Energy + Bunch Length