Framework

- Our reconstruction framework is lcsim.
  - Takes the "raw" data to the "cooked" state: Tracking, Clustering, Particle ID etc.
  - Written in Java
  - Data exchange using LCIO
- Analysis output is LCIO
  - DST to convert to root format exists.
    - Takes the function of an n-tuple
    - DST is for for physics analyses.
    - DST by definition will not contain everything!
    - Code is a great example of how to use LCIO in C++

Framework 2

- Monitoring App is Java:
  - Based on lcsim
  - We discourage a proliferation of stand alone monitoring apps.
- Calibrations:
  - We encourage the use of lcsim
    - Especially when interfacing with other framework components
    - Practical considerations.
  - Some will be close to DAQ (require special runs etc) and may need other tool sets.
    - I.e. Pedestals for SVT

Framework 3

- Some tasks will require something other than Java
  - Test an existing algorithm:
    - GBL in Python
    - Clustering algorithm in C++
  - Use an existing algorithm:
    - Millepede II