Physics/service software discussions

- biweekly meetings
  - workshop coordinators
    - Akiba, David, Read, Sullivan, Saito
  - tracking software - Mitchell
  - simulations - Maguire
- report at computing meetings
- report to collaboration at collaboration meetings
  - via established workshop activities
- more frequent meetings
  - coordinate activities among the different workshops
  - ensure timely analysis software development

Evaluate software needs

- what is required to analyze PHENIX physics? (emphasis on day-1 goals)
    - infrastructure
    - detector specific software
    - combining information from different subsystems
    - Monte Carlo requirements
    - physics input
- next steps
    - who is responsible for what?
        - work with Soren for infrastructure
        - with subsystems for detector software
            - large people overlap!
    - expand workshop activities
        - have started to involve volunteers for physics topics
        - draw in more people at collaboration meetings

Infrastructure

- event displays!
- central and muon track reconstruction
  - evaluators for efficiencies
- user interface to database
  - need in ~6 months
- toolboxes for coordinate transformations, etc.
- naming and numbering conventions
- ability to do event mixing
- fast Monte Carlo (for some of the physics)
- luminosity measure
- capability to make selected data sets

Detector specific

- calibration software!
  subsystems have identified responsibles
- pattern recognition
  cluster finding, ring finding, flight times, etc.
- monitoring requirements
  subsystems have identified responsibles
- dead channel, efficiency maps
  + software to use
- alignment software

Combining subsystems

- framework for doing this
  - STAF provides this
- STAF output tables
  - structure and contents
  - currently being defined & discussed
- particle identification algorithms and data structures
- trigger simulator