

# Cal Restructuring Action Items

## Tests

- Make TDS classes stable, so to ease upgrade of System Tests
  - Who: Tracy
  - Status: UNDER WORK
- CalRecon internal tests
  - Integrate new tools and add other kind of input data
  - Who: David
  - Status: UNDER WORK

## TDS Class Structure

- CalCluster
  - Modify layer data for moments analysis output
    - Energy, Radiation lengths, etc., per layer
  - Output variables:
    - Longitudinal and transverse moments
    - X0,Y0 at face of Cal
    - Distance to nearest edge
    - Others?
  - Who: Tracy
  - Status: ?
- Review status bits usage
  - avoid unnecessary/redundant status bits
  - Who: David
  - Status: PENDING COMMIT
- CalEventEnergy
  - Allow multiple instances of CalEventEnergy (e.g. pi0 analysis)
  - Who: David
  - Status: PENDING COMMIT
- Relational Tables
  - Implement tables
  - Who: David
  - Status: UNDER WORK

## Algorithms

- CalEventEnergyAlg
  - Review the way we manage passes.
  - Who: David
  - Status: PENDING COMMIT

## Lower Priority

### Documentation

- Update Cal Confluence pages to reflect structure of CalRecon
- Who: David, Tracy
- Status: not started

### Likelihood tools

- Integrate in cvs the calib code
- Who: Pol, David
- Status: NOT STARTED

### Geometry Service

- Convert TkrGeometrySvc into a general Glst geometry service
  - "clean up" interface?
  - Move to GlstSvc?
- Who: David
- Status: NOT STARTED

### Code Review

- Review internal code of the new correction tools
- Who: David

- Status: NOT STARTED

### **Allow for job options iterative processing "loop"**

- Can Gaudi algorithm "execute" methods be called more than once per event? Allow for job options iterative processing "loop"
- Who: David
- Status: standalone prototype done, Gaudi compatibility not proved, and not demonstrated it is worth for the simple use-cases of Glst.