# 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 fo 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 Glast geometry service
    - "clean up" interface?
    - Move to GlastSvc?
- 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 Glast.