

The image shows the cover of a spiral-bound notebook. The cover is a light beige or tan color with a fine, woven fabric-like texture. A silver metal spiral binding is visible along the left edge. The notebook is set against a solid brown background.

Calibration Module

How I see it organized

General Module

- **TofCalibrationModule: General module to do the calibrations**

Through a talk-to you could decide the cuts for the track selection and the calibration you would like to do.

It will call the different calibrations chosen by the user

It will do the number of iterations needed for the calibration to obtain the best ones.

It will write to the corresponding database (It may instantiate the TofChannel class).

It will create either plots or ntuples to do the validation for the constants obtained .

Calibration Classes

- Each Calibration would be a different class:
 - TofDataCalibrationSpeedLight
 - TofDataCalibrationAttLengh
 - TofDataCalibrationTimeWalk
 - TofDataCalibrationT0Offsets
 - TofDataCalibrationResiduals
- Each of them will do track selection and Fit the data (maybe other features).
- They will read and write from a text database -> to do the iteration process

Plans:

- One is done and working:

- Run it periodically (Period to be determined by stability studies)

- Releases the valid set to production people

- Use reconstructed data by general user and report problems.