



GLAST Large Area Telescope:

Status and plans

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Status of deliverables (see april 4 VRVS)

- ❑ New TKR digitization algorithm for MIP and ions
 - 2 algs provided + updated link to TOT CalibDB
 - No improvement on hits, good TOT
- ❑ New CAL calibration procedure for the LAT
 - Xtalk correction now in CalRecon
 - Require documentation and test on LAT
 - Better x-range calibration factors
 - overall same discrepancies for energy measurement
- ❑ Revised hadronic physics list
 - LE model in default
 - HE model identified
- ❑ Material review
 - TKR done, require final x-check
 - CAL TBD



Plans

- ❑ Start investigating impact of discrepancies on final analysis in parallel to attempt to solve them
 - Some work could flow into C&A group
- ❑ Evaluate impact on
 1. Recon algorithms
 2. Background rejection
- ❑ Plan
 - Schedule simulations with built-in discrepancies
 - Require tables with particle, energy and angle dependency
 - Average *ad hoc* correction factor for CAL and TKR
 - Modify digis (or LDF) to investigate 1 (coordinate with SC)
 - Create modified Tuples to investigate 2 (straightforward)
- ❑ Constraints
 - SC support NA until collaboration meeting
 - Final gleam 1-yr simulation will probably occur october (not official!)