Testbeam – Architecture and Analysis

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What we can do now

- Input from
  - Event Generators
  - Physics TDR
- Sequences & filtering algorithms
- Output of histograms & ntuples
- Obviously not adequate for testbeam activities
  - But a lot of useful stuff is now in place for reconstruction and analysis

TileCal

- Integrate into TileCal testbeam work
- Input from Objectivity
  - Sasha Solodkov
- Mapping of detector-centric rather than event-centric view
  - David Malon & Paolo Calafiura

Liguid Argon Request

- Bookkeeping
- Persistent Input and Output
  - Objectivity
  - Root I/O (requested)
  - Timescale September for store/retrieve
- Detector Datastore
  - Detector Description
  - Run Conditions
  - Slow Controls
- Reconstruction
  - Timescale Xmas 2000

Summary

- Core for reconstruction & analysis available now
- Major lacks are persistent input and output
  - Work beginning on that now
  - Timescale seems tight but feasible