



FNAL Software School

Day 2

Matt Herndon,
University of Wisconsin – Madison

Today's Activities

- Introductory slides
- Review Day 1 pre-course exercise
 - Does your algorithms produce the correct hits!
- Lecture
 - The tracking reconstruction problem
 - Hit usage in tracking
 - On data safety through data encapsulation and const correctness
- Daily project:
 - Evaluating hit finding performance
 - Applying the results to tracking reconstruction

Day 1 exercise review

- Day 1 exercise
 - Cluster and Hit Finding applying algorithm abstraction
- Project goals
 - Does your code successfully reconstruct hits
 - Runs
 - Finds the correct hits
 - Download and test your code against the test/log_hitData test target by running make test
 - Does your code make use of algorithm abstraction
 - Compare to version now in code repository in [HitRecoModule](#).
 - Based on the discussion yesterday I have implemented a simpler version.
 - Lets look at some results