What is Data Preparation?
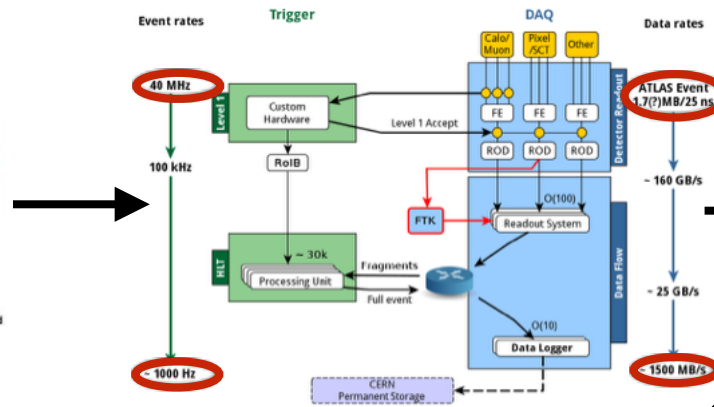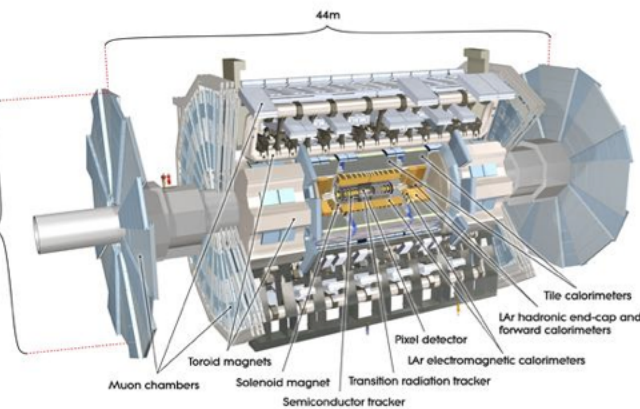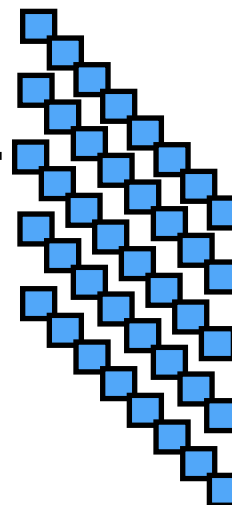

Data Preparation
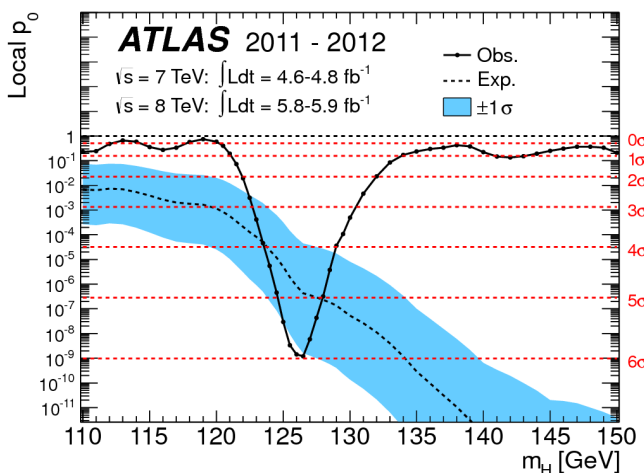
Data Quality Assessment

Calibration

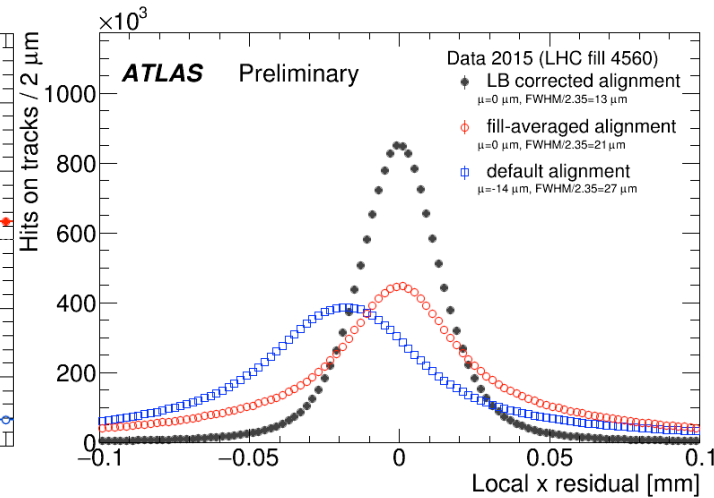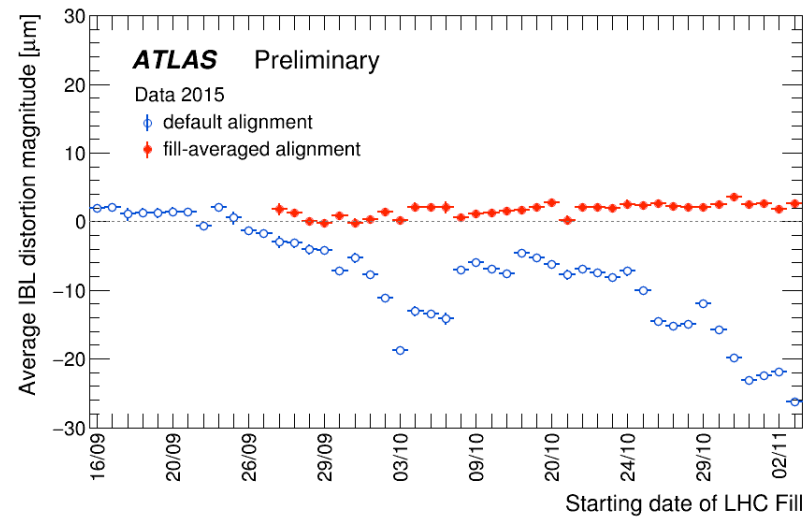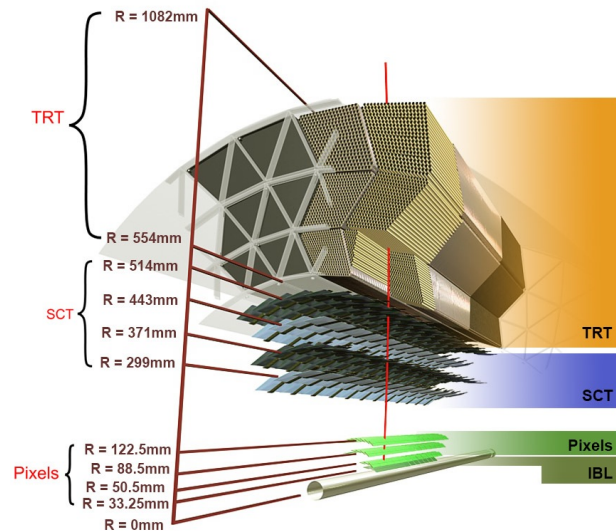Primary Reconstruction

Good Run List

AOD

Dr Paul Laycock

An example: The Insertable B-Layer (IBL) exhibits temperature-driven distortion

Problem: Significant misalignment which biases the beamspot determination
    Worsening problem would render the data unusable for physics

Solution: Implemented a procedure to promptly correct alignment and beamspot
    Alignment procedure requires four iterations - resource heavy - centrally managed
    Subsequently improved to correct all inner detector package movements within a run

Centrally manage as many calibration procedures as possible to optimise resource usage

Dr Paul Laycock