xAOD and ROOT Analysis Ecosystem, Session Intro

Motivation

- ASG has changed ATLAS computing landscape
  - new data model (remember ESD≈xAOD)
  - new production model (trains, common derivation)
  - new (first?) set of common analysis tools
- US ATLAS involved in every aspect
  - mainly as individual (key) contributors/consultants
    - often weighed down by Run I "legacy" responsibilities

Goals of this Session

- With group derivations now run centrally, what can production tools do for analysis stages downstream?

- What remains to be understood/done with the event (meta)data store before we start writing the next 100 PB using an entirely new EDM?

- What can we do to make common dual-use CP tools become the core of Run II analyses?

- Writing a good toolkit is much harder than writing a good framework. Are we sure physicists will run away from a strongly focused, and strongly supported, analysis framework?

- Obviously a lot remains to be done. What does US ATLAS want to "own" for the next 10 years?