

Data Preservation

Combine Python's dynamic typing with ROOT's embedded streamers to access any data structures without the original header files/object libraries.

Physics Analysis

Complete Numpy integration for accessing machine learning libraries, convenience of Python backed by fast, compiled code.

share CMS public data
with CS colleagues

My Research

A codebase that I can control and quickly modify to test new modes of data access, such as object stores, database-style indexing, query servers.

*analysis on
old CMSSW versions*

*user base in a position
to try new features*

