

March 16, 2023 (Week 8)

ROOT part 3

Objectives:

- Round out ROOT knowledge

Outline:

- ROOT
 - Angular distances
 - Saving objects to a ROOT file
 - Setting an object's directory
 - TString
 - Histogram errors
 - Histogram scaling
 - Multi-histogram methods
 - pyROOT

Homework - due 8am March 21, 2023:

1. Work through the ROOT Example exercises
 - Developed by Steven Schramm for a summer school
 - Work through either using C++ or Python
 - Datasets are available in CERNBox [here](#)
 - Data.root and MC.root have limited stats and are for development
 - DataFull.root and MCFull.root have full stats and are for the final run