

COMPUTING METHODS IN HEP Exercise 12 Spring 2025

(To be returned by 10:15 on Friday 2.5.)

1. Download a simulated Drell-Yan datasample from the CERN open data portal

<http://opendata.cern.ch/record/12353>.

Write a COFFEA analysis to select events passing the trigger HLT_IsoMu24.
Plot the pileup distribution.

2. Use the same data as in 1) and write an RDataFrame analysis to select events passing the HLT_IsoMu24 trigger and plot the pileup distribution.

Please push your answers into your public git repository.