Root's Labyrinth

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Maze # 1: Jet Algorithms

- Given a large chunk of MC data, with data from different jet algorithms, must analyze it.

kt12GenJetsWithArea, kt2GenJetsWithArea, kt6GenJetsWithArea, kt8GenJetsWithArea

- There are several variables that we are interested in: Jet Area, Transverse Momentum and rho: Jet Area/Transverse Momentum
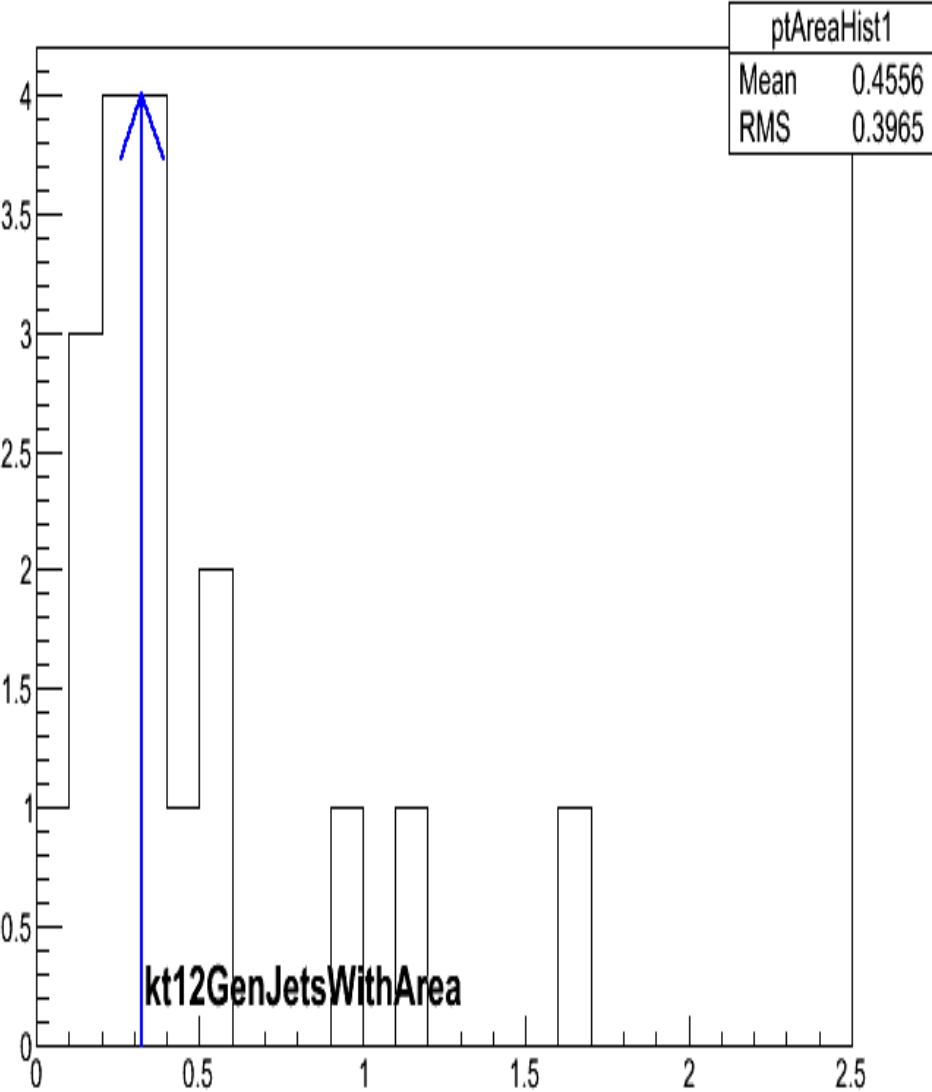
Maze #2: Events

- For each jet algorithm, for each event, I needed to plot rho (to make sure the data makes sense), and then calculate its median. The most important plot is the one of the median of rho per event.
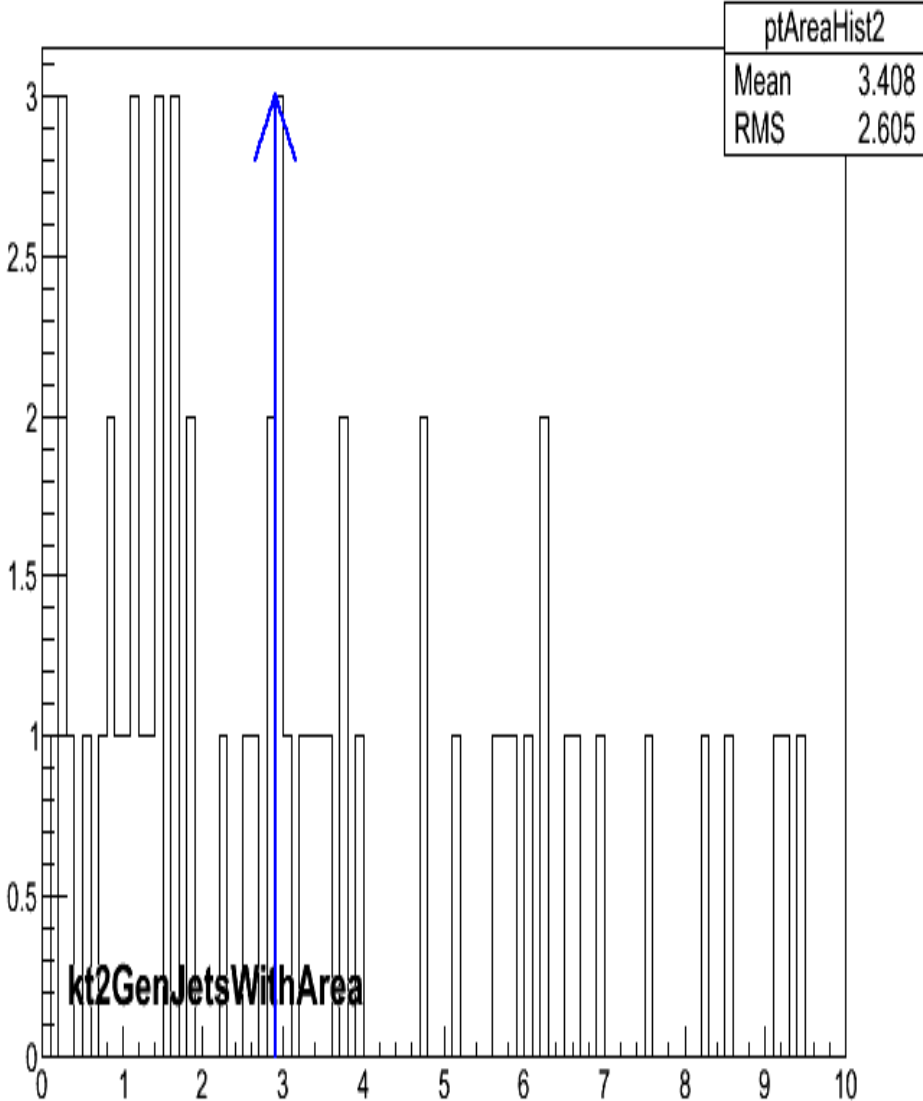
Maze #3

- Writing a program that reads multiple ROOT files, and merges the histograms together.

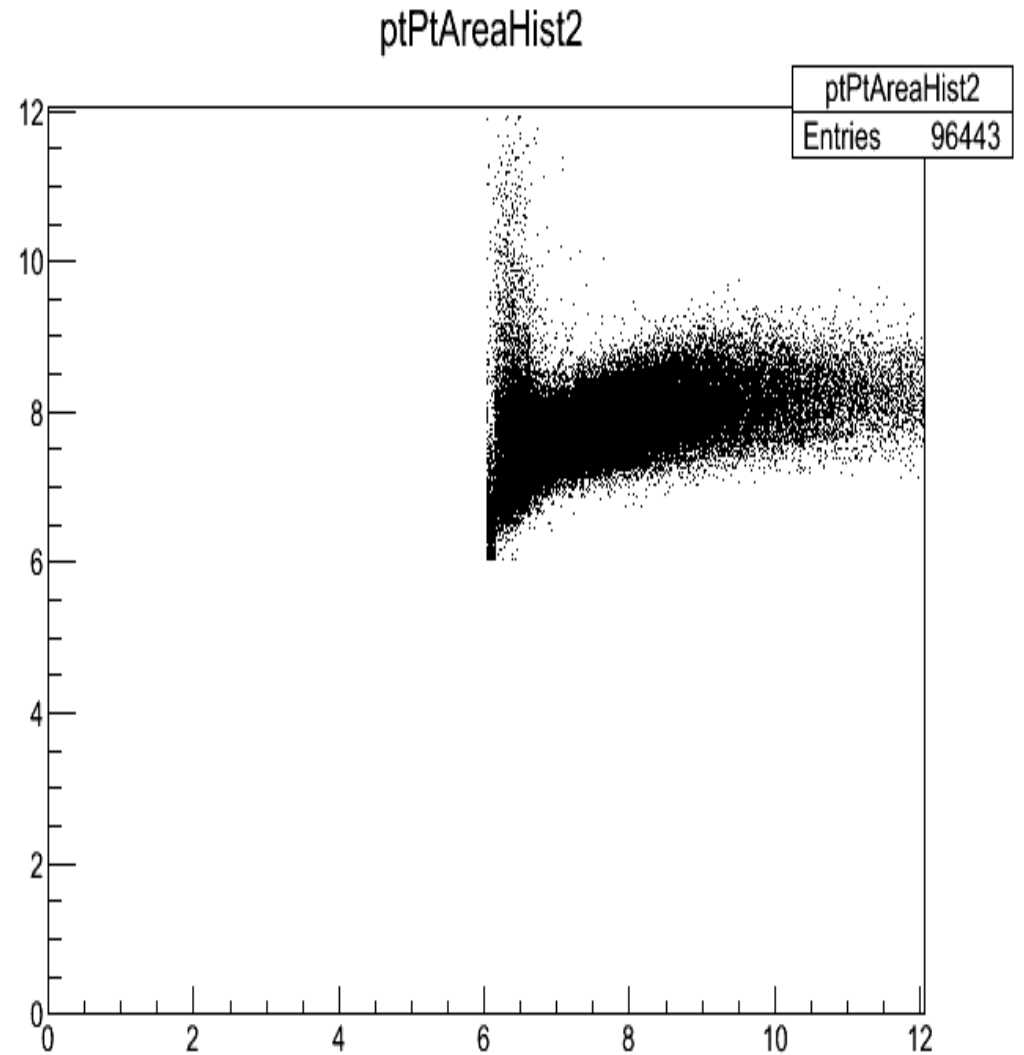- Next steps: Pile up, multiple events at once.
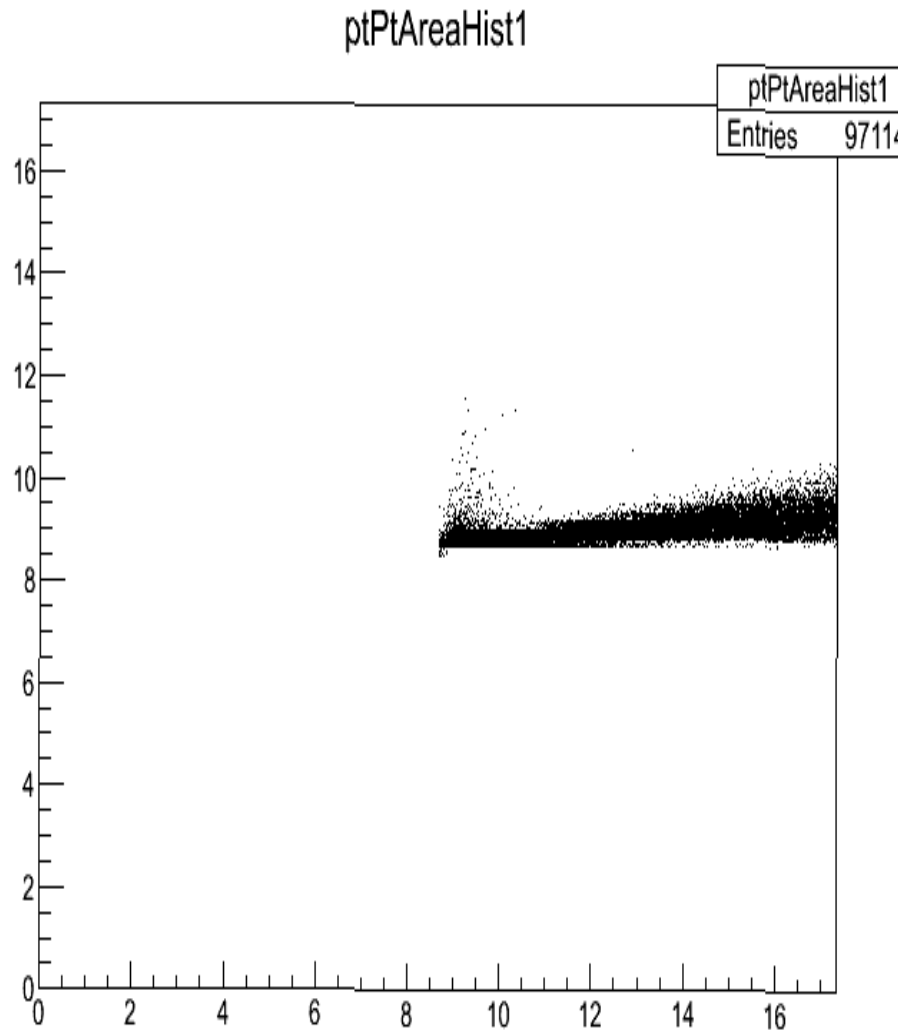
Important Plots

Important Plots Continued

Escape From the Maze

- Where have I been?

  Zermatt

  Les Jura

  Bern

- Barcelona

  Where will I go?

- Rome (this weekend)

- Paris