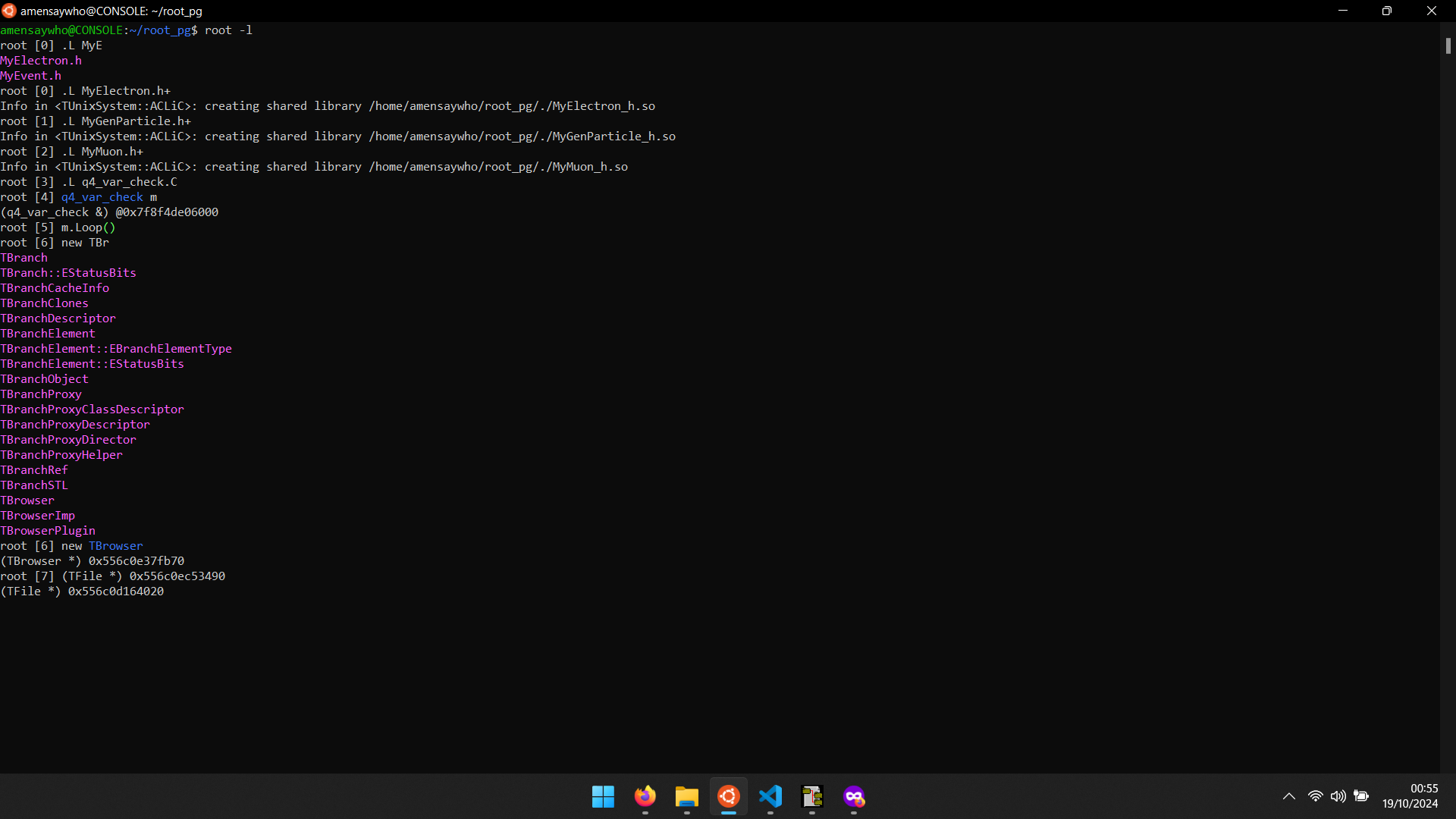
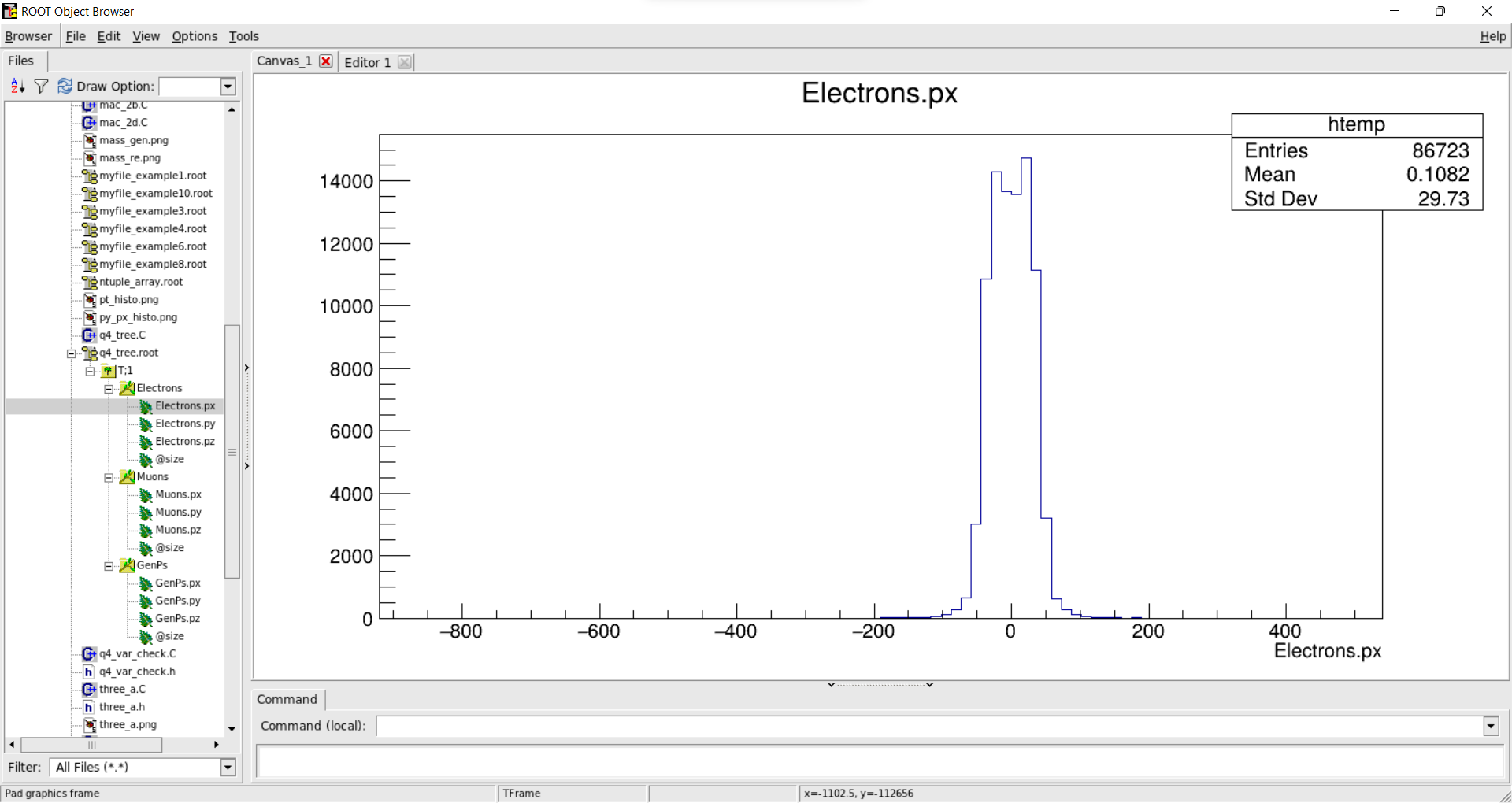
After reading ntuple\_array.root and selecting tree;2 used T->MakeClass(“q4\_var\_check”) to generate the required analysis skeleton and header files.



After modifying the analysis loop to separate electron, muon and Generated Particle values into separate vectors, output is written to q4\_tree.root

Data structure is verified using TBrowser and cross-checking number of entries against nElectrons in ntuple\_array.root



After loading q4\_tree.root, we use MakeClass(“Z\_mass”) to create the required analysis skeleton and header files. After modifying the analysis loop using LorentzVectors, and adding the obtained values to Histogram, the output is written to q4\_z\_mass.root

