ProtoDUNE data for the MasterClass

Andriaseta Sitraka
Jairo Rodriguez
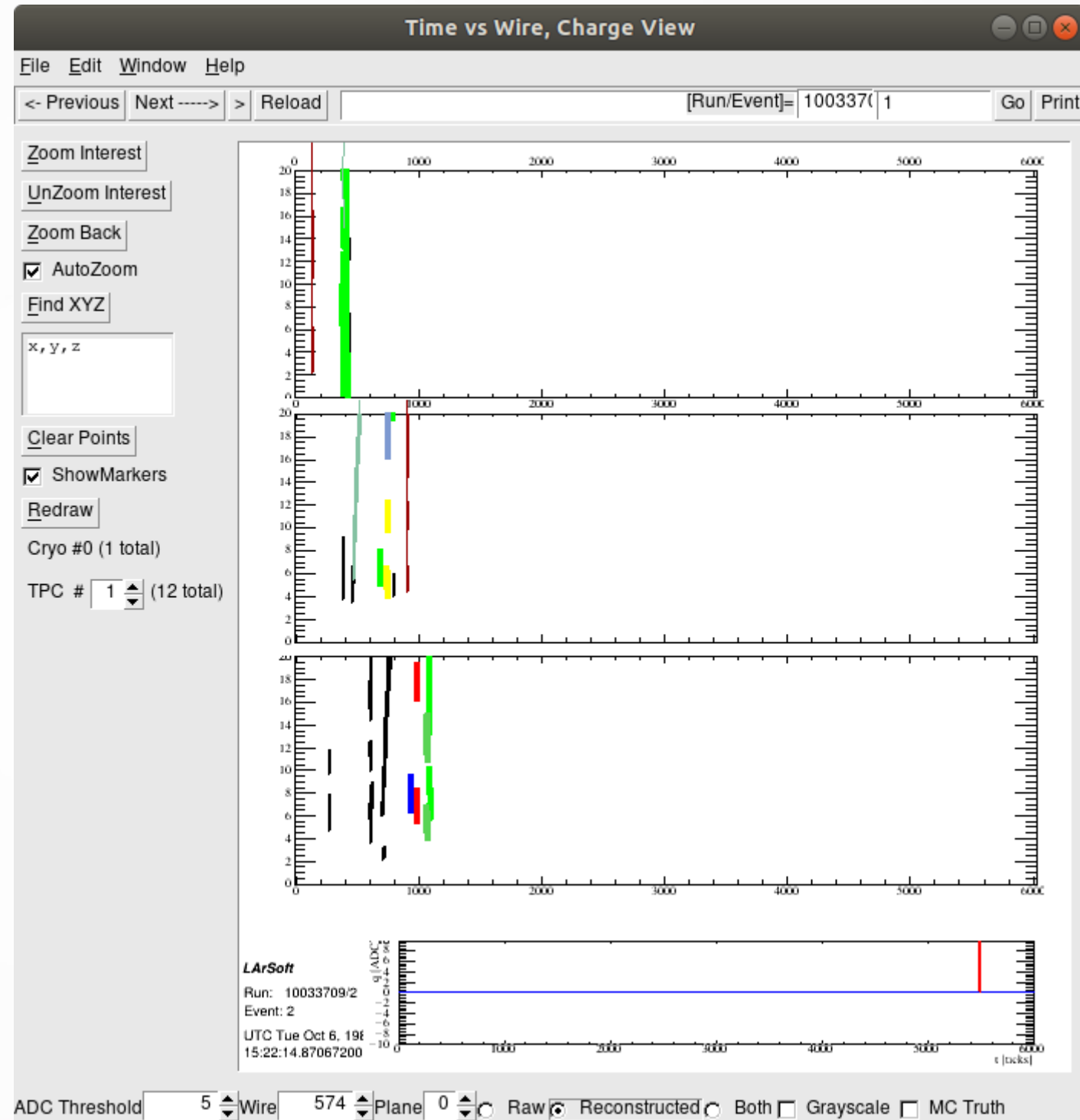**(South Dakota School Mines & Technology)**

October, 08th 2020

Goal

- Getting some display sample of cosmic run from ProtoDUNE data

- We expect to plot some cosmic tracks that the students will be able to see on the website

- We also want them to be able to follow the progress of those cosmic run by using the website only

Status

- We found some ProtoDUNE data and were able to access them

- Those files are available on Fermi- Machine

- We want cosmic runs only

- But for now we could just process 1Gev + Cosmic run data.

- We recently found data with only cosmic run and will soon process them.

Next steps

- Next step will be processing the cosmic run data

- And try to display the information by using root not LArSoft anymore

- We want to get more information from those cosmic run by using root only