TRIUMF Data Analysis

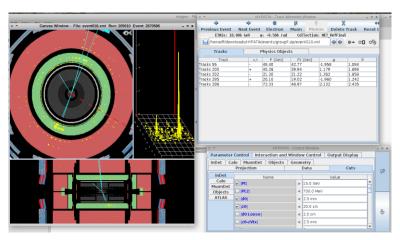


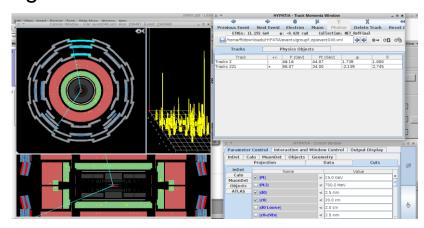
Event Selection

Electron events involve two tracks that each create a cluster in the green EM calorimeter section. In the event that two electrons choose the one with the opposite charge

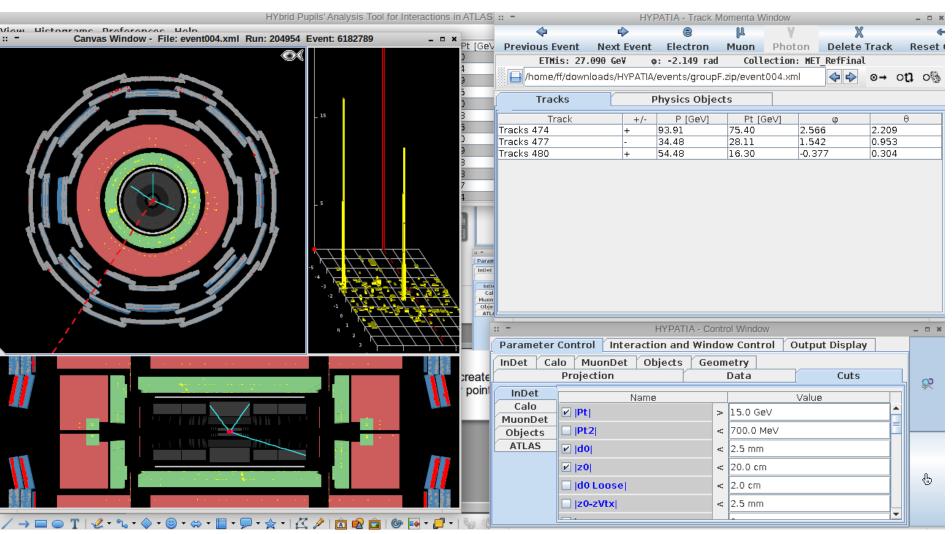
Muon events involve two tracks going through the detector

4-lepton events may involve two muons going through the whole detector and two tracks with clusters





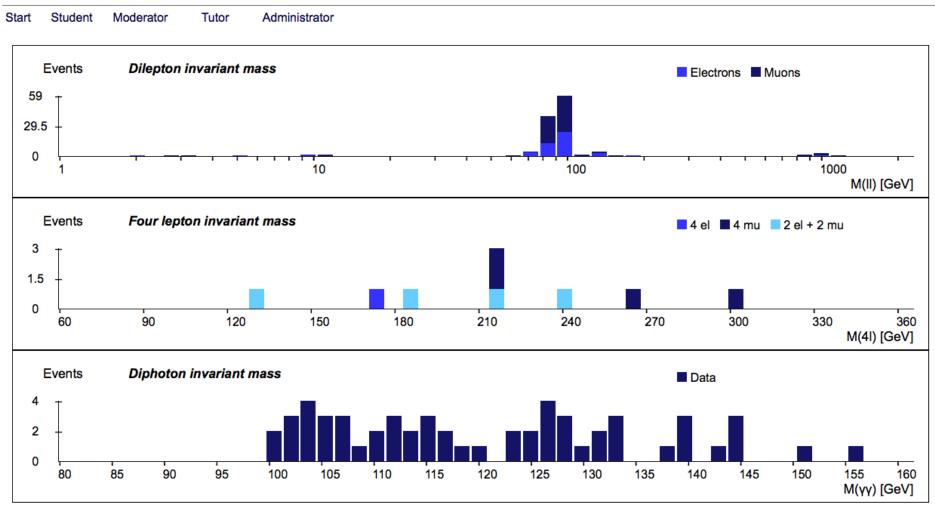
Event Selection



Photon events involve two clusters that were not generated by anything that generates tracks.

Final Data from All Groups

OPIoT – MasterClass – Combination for TRIUMF on 2014-04-05



Bins:

50 💌

Default values

- See Z boson
- Why is there a 1000 GeV and 10 GeV dilepton event?
 - -Error?
 - –Z-boson: Z' postulated in theories
 - -Upsilon meson: b quark-antiquark meson