Work Status

Maosen Zhou

sm bkg sample

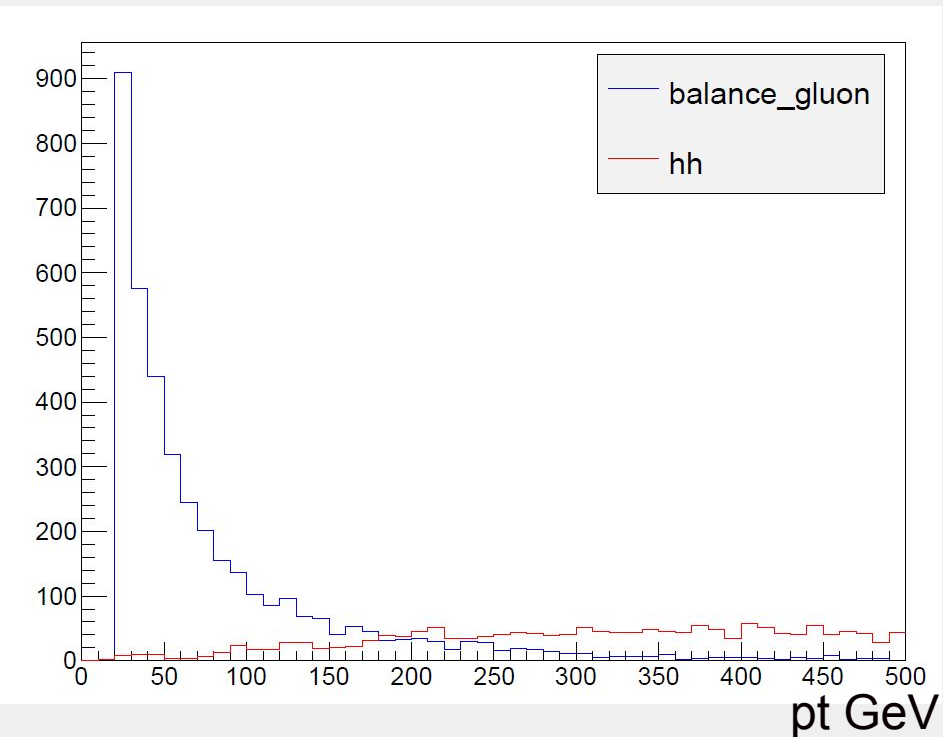- already generated 5K events: p p > l v j j a a

- ExRootAnalysis, got some problems...

balance gluon

- look for balance jet of hh in sm nonresonant hh sample

- only have a look at gluon fusion production, g g > h h

- for now, very inaccurate method. choose events in which:

  DeltaPhi(gluon, hh) ~ pi; Eta(gluon)*Eta(hh)<0; pt(gluon)>20GeV

  3955/48503 ~ 8% pass

  plot pt of leading_gluon and hh

summary&to do

- fix ExRootAnalysis bug, plot some import variables for bkg sample

- use truth imformation to check if there is balance jet for hh: event chain

- waiting for Qualification supervisor's suggestions on next step...