

HEP Weekly Report

George Bakas



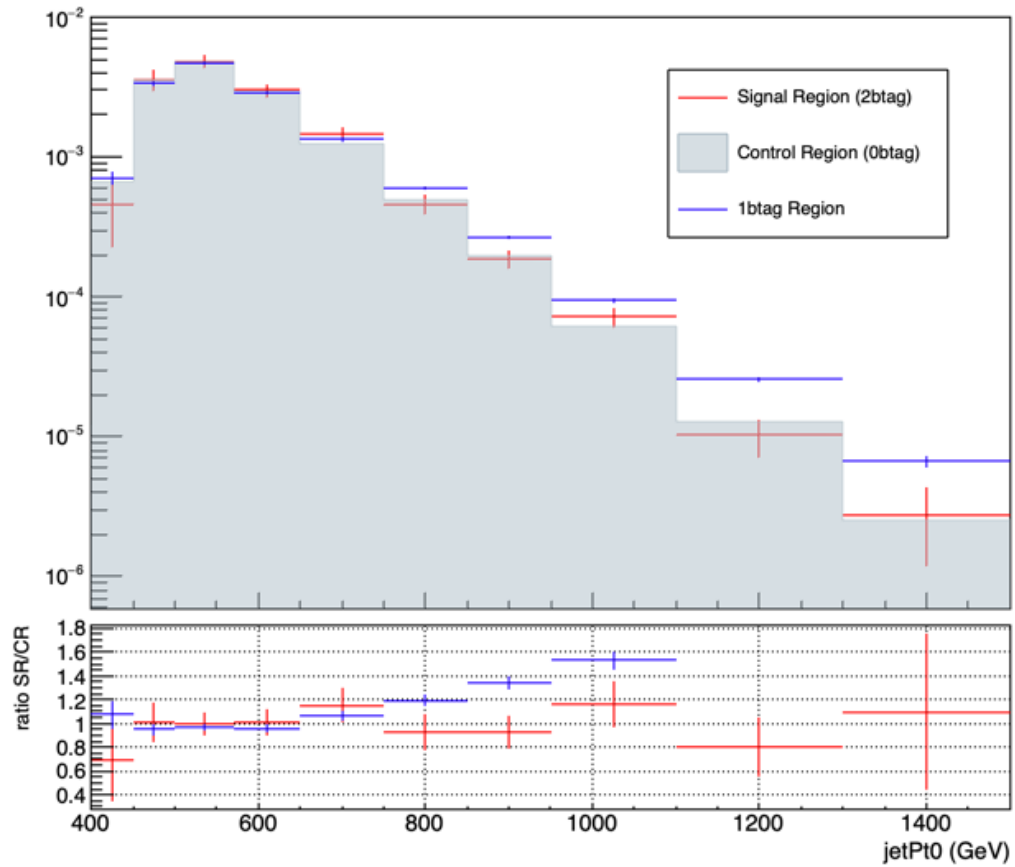
Weekly Report

- Analysis:
 - Subdominant Bkg Production '16,'17
 - Tried new WP's to see if contamination will go below 1%. No significant result
 - Top Tagger:
 - 2016: 0.2
 - 2017: 0.0
 - 2018: 0.1
 - Fit the Ratio Bkg Signal Region / Bkg Control Region because of the slope it shows for 2017 and 2018 in some variables
 - Closure Tests with Scale Factors from Fit on the ratio Bkg SR/ Bkg CR
 - Fit on top Mass variable to extract bkg from data

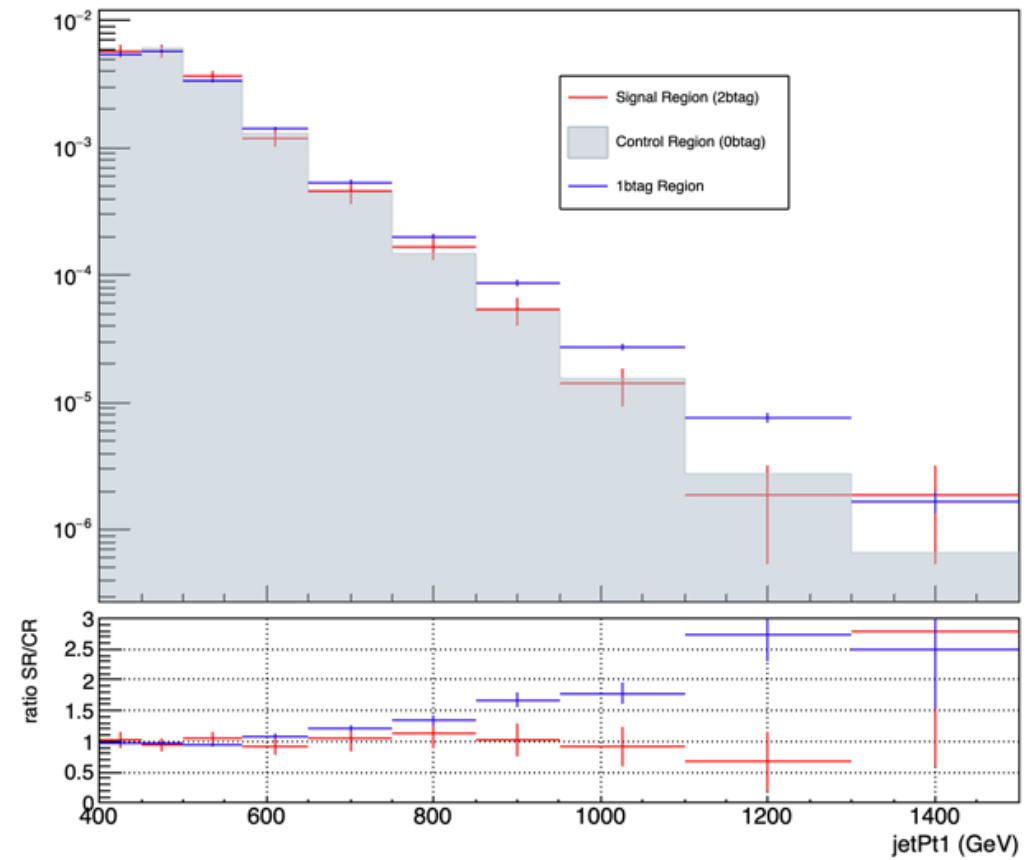


New Closure Tests 2017

QCD Closure tTagger

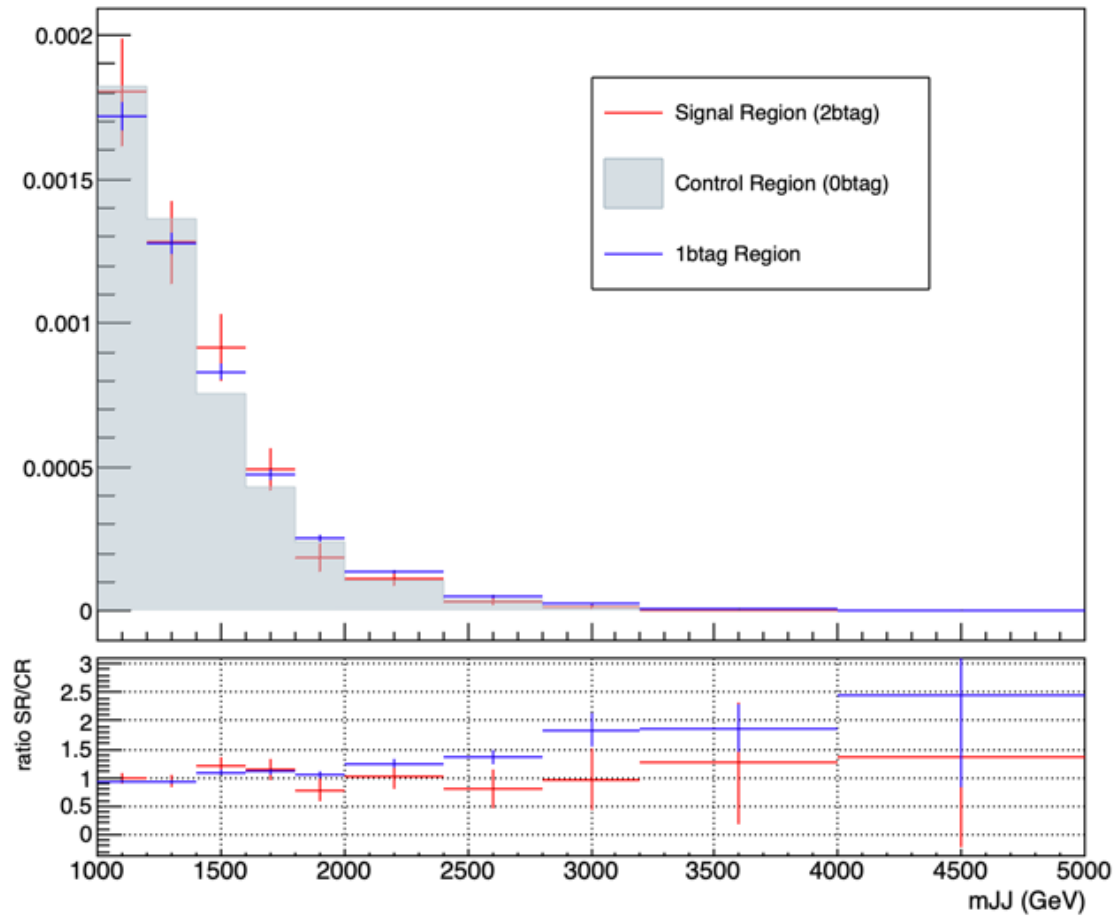


QCD Closure tTagger

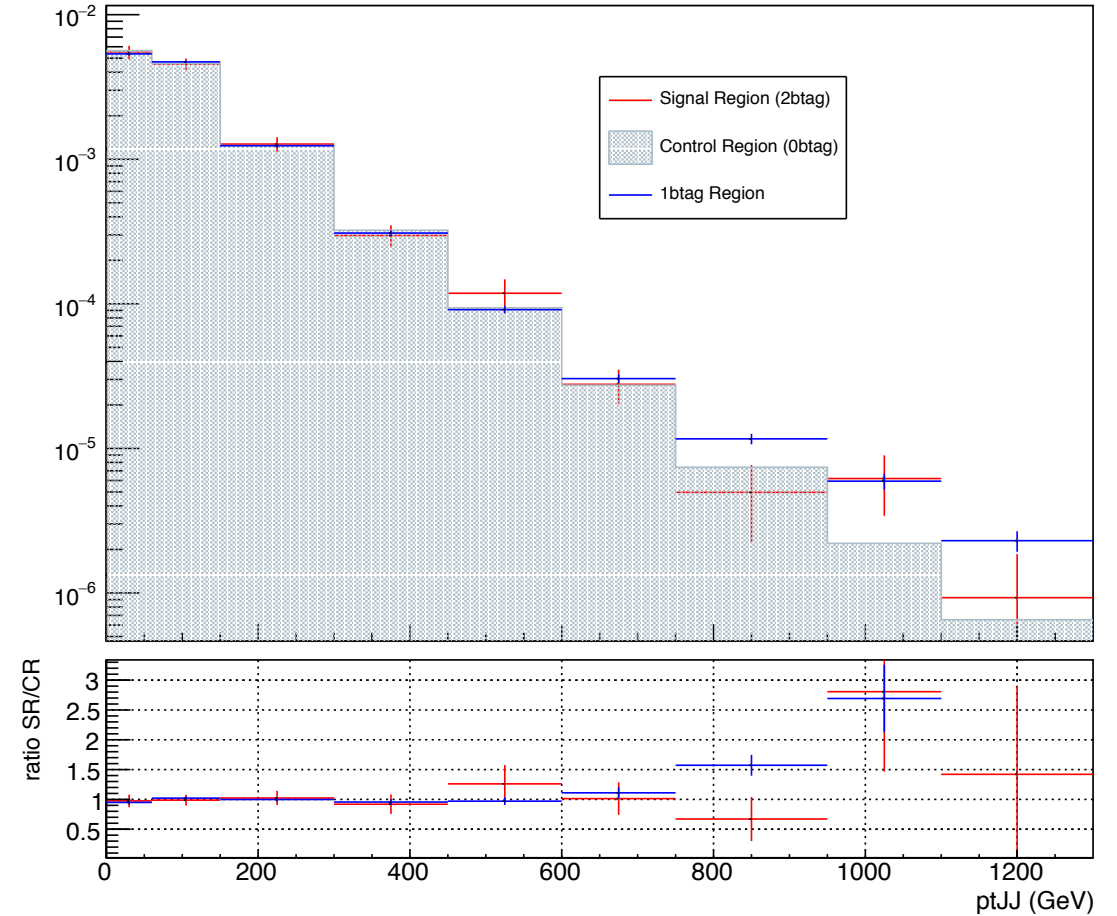


New Closure Tests 2017

QCD Closure tTagger

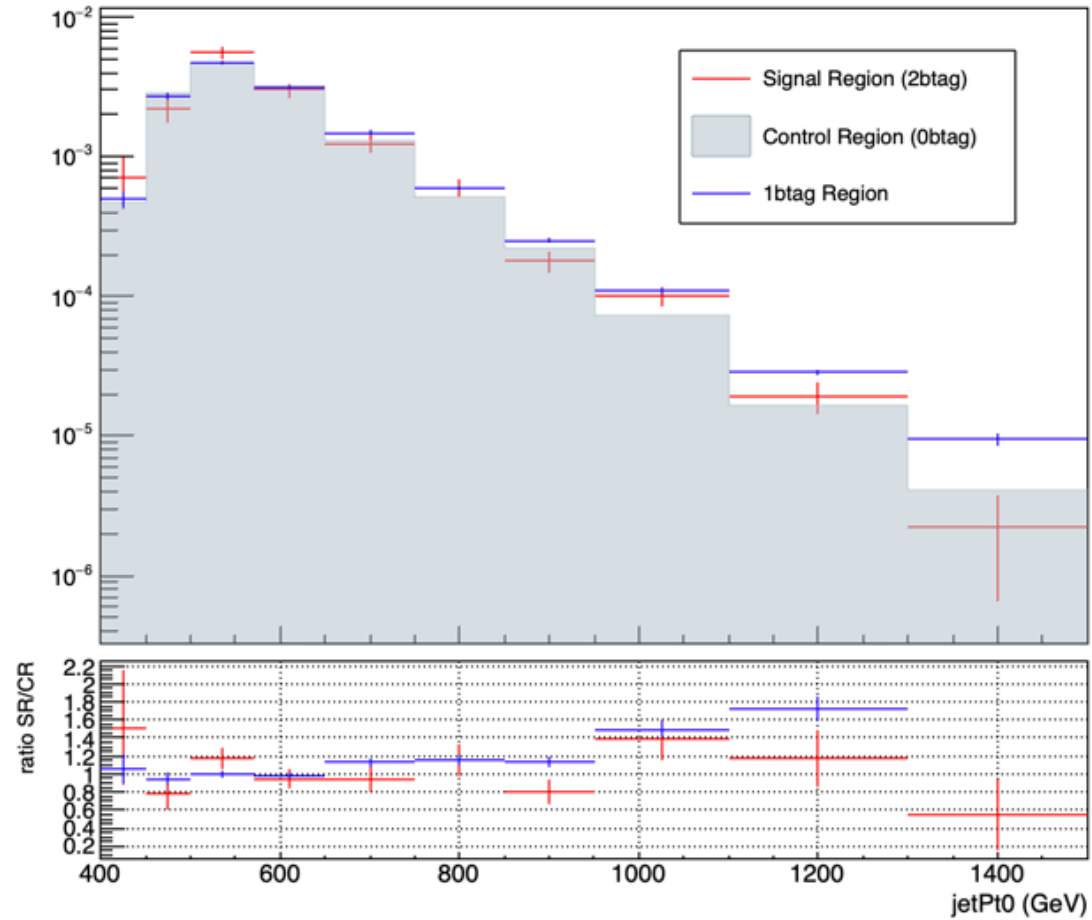


QCD Closure tTagger

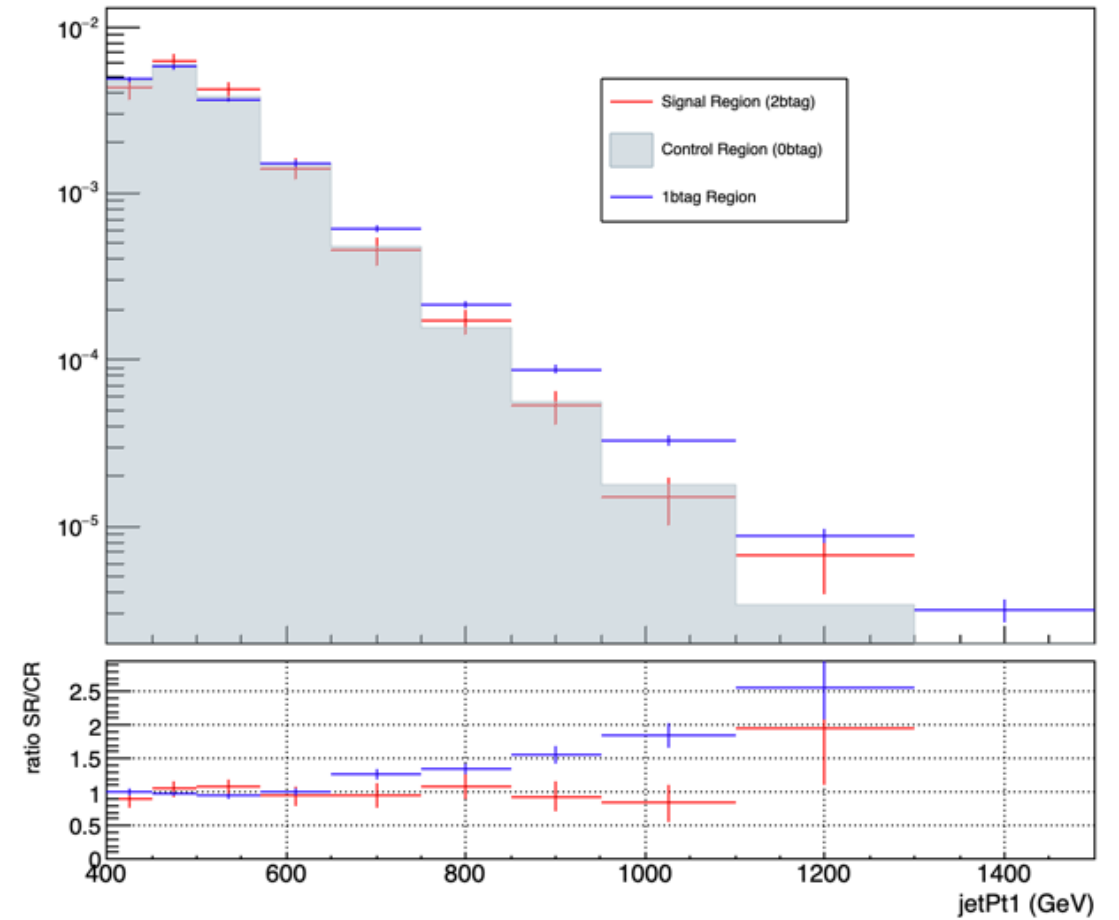


New Closure Tests 2018

QCD Closure tTagger



QCD Closure tTagger



New Closure Tests 2018

QCD Closure tTagger

