Weekly Report NTUA 6/3/2020

George Bakas



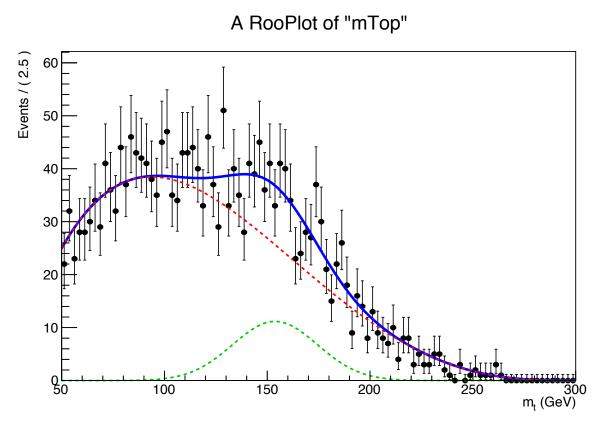


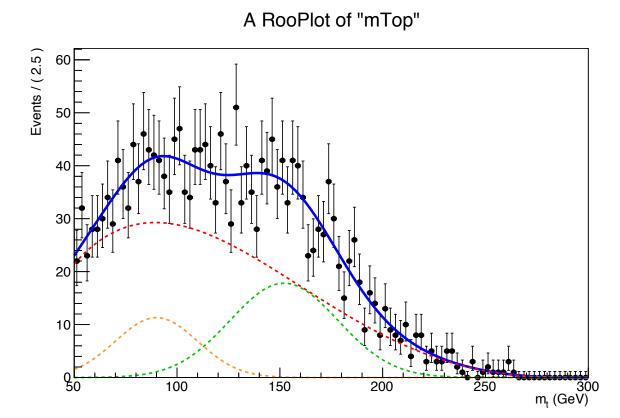
Status Report

- Analysis:
 - Mass fit
 - Shape for qcd template not ok
 - Previously in sim fit → shape params of qcd template were free
 - Now the qcd fit params are constant
 - 2017 and 2018 CR from data → peak around 80 GeV
 - QCD parameter initial values are taken from the output of the Bkg QCD template fit result using the MC QCD samples
- NTUA HEP Site
 - Modifications
 - http://modio.physics.ntua.gr/~gbakas/gr/
 - http://modio.physics.ntua.gr/~gbakas/en/
- HEP Data for TOP-18-013
 - Class ready for importing tables (histograms) using ROOT file
 - The user needs to give as input 3 text files



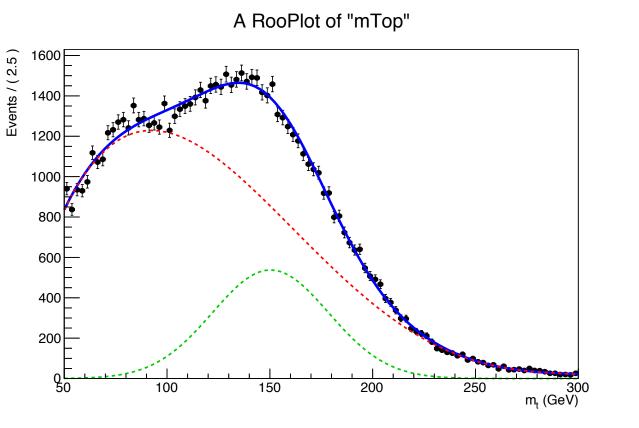
Bkg QCD Template Fit 2016

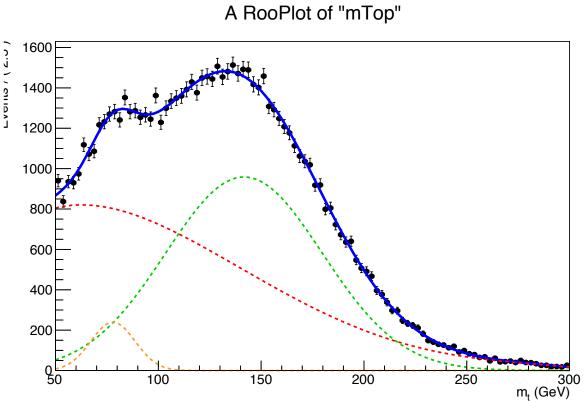






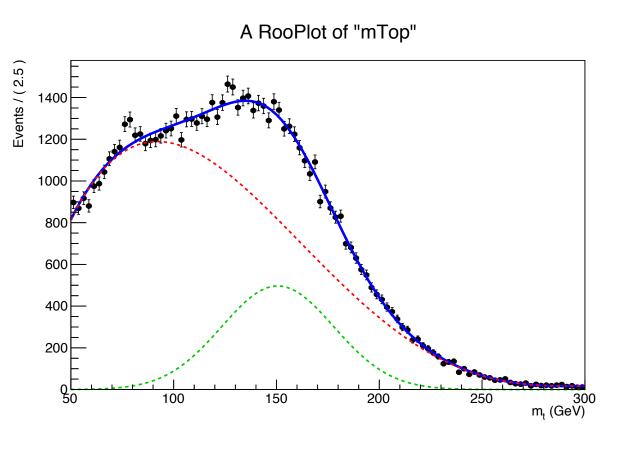
Bkg QCD Template Fit 2017

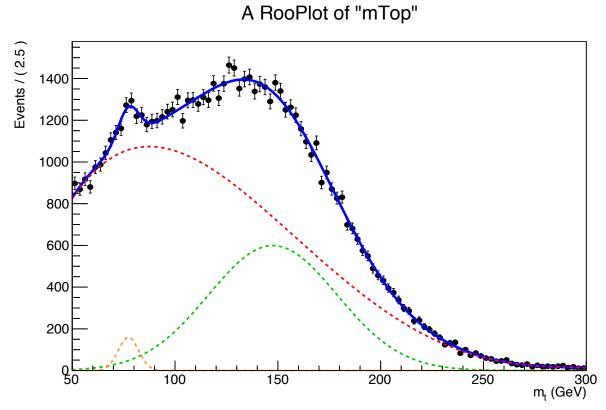






Bkg QCD Template Fit 2018

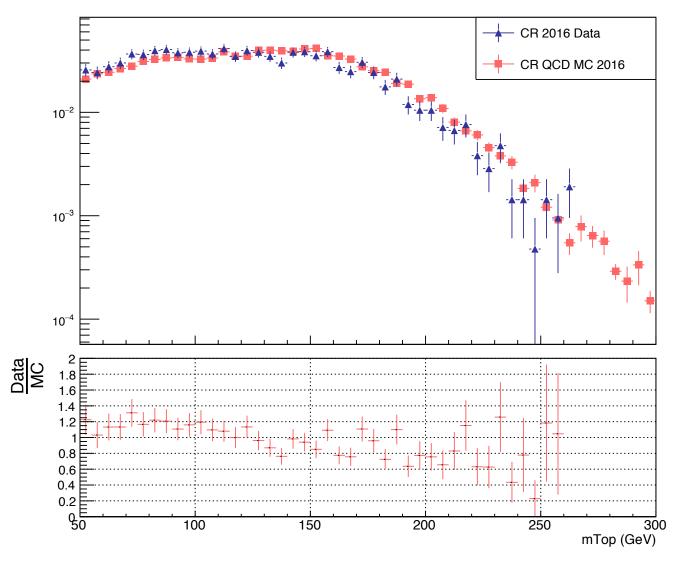






Data CR vs QCD MC CR Shape Comparison

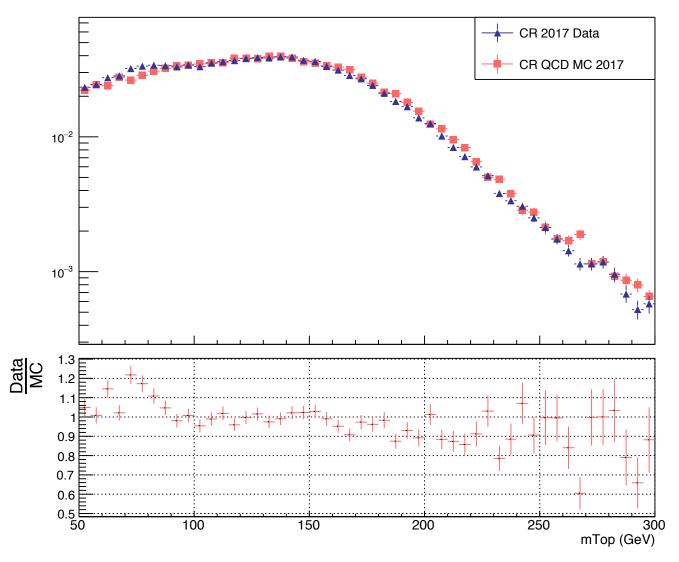
CR QCD MC 2016





Data CR vs QCD MC CR Shape Comparison

CR QCD MC 2017





Data CR vs QCD MC CR Shape Comparison

CR QCD MC 2018

