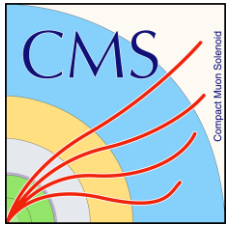
HEP NTUA
Weekly Report

10/2/2021

George Bakas



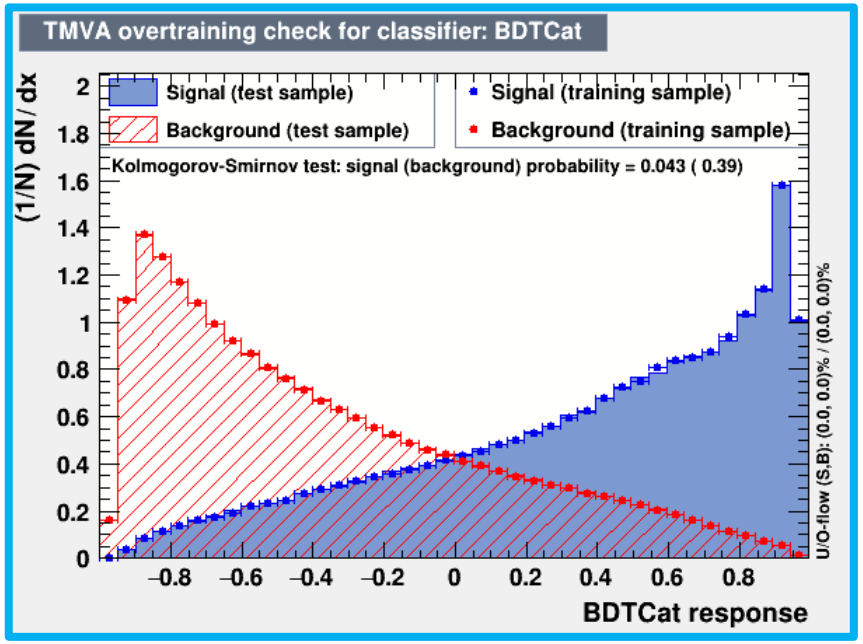
Summary

TTbar analysis:

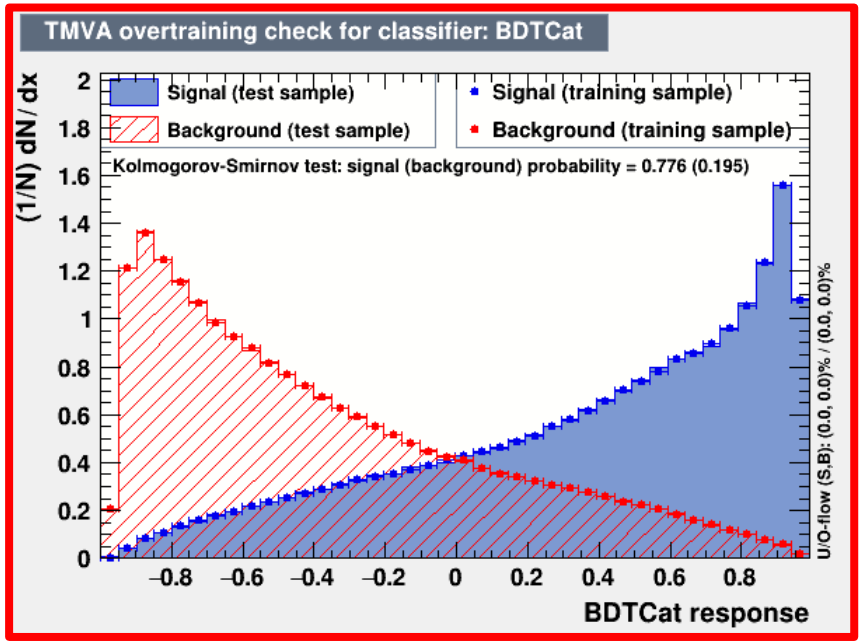
- Created pipeline to switch to UL files
  - 2016 is divided into preVFP and post VFP
    - We handle the samples as individual measurements
  - MC Production (Signal + QCD + Subdominant) ☑
  - Training with new files ☑
  - Update the existing files with new top Tagger output ☑
  - Data production with new TopTagger ☑
  - ToDo:
    - Re-do the whole pipeline of the analysis
      - Efficiency, Acceptance, Responses
      - Mass Fit, Ryield, Contamination, Closure Tests
      - Signal Extraction
      - Unfolding
      - ----------
      - Systematics
      - ----------
      - Combination

Training Output 2016 preVFP and postVFP, 2017 and 2018

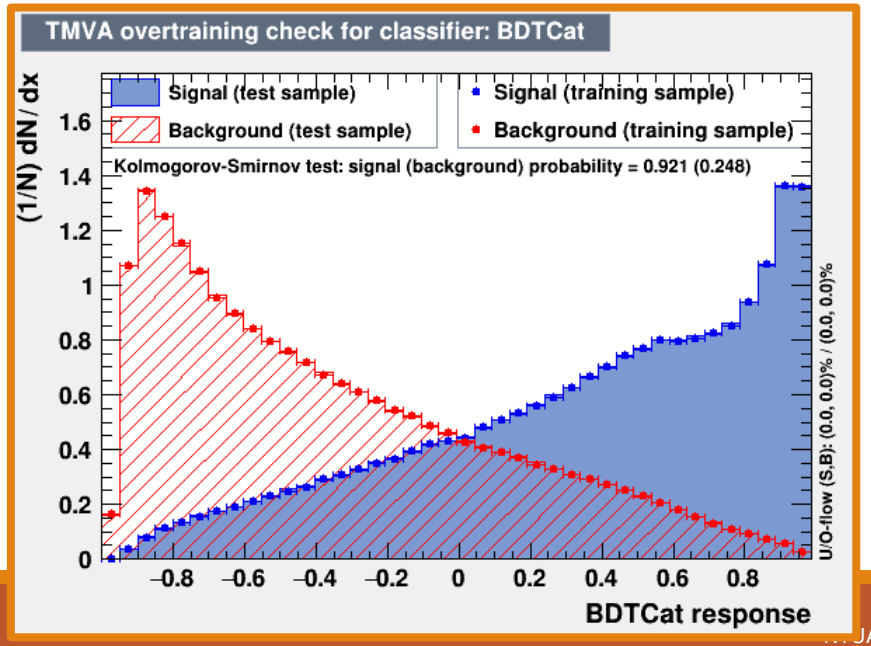
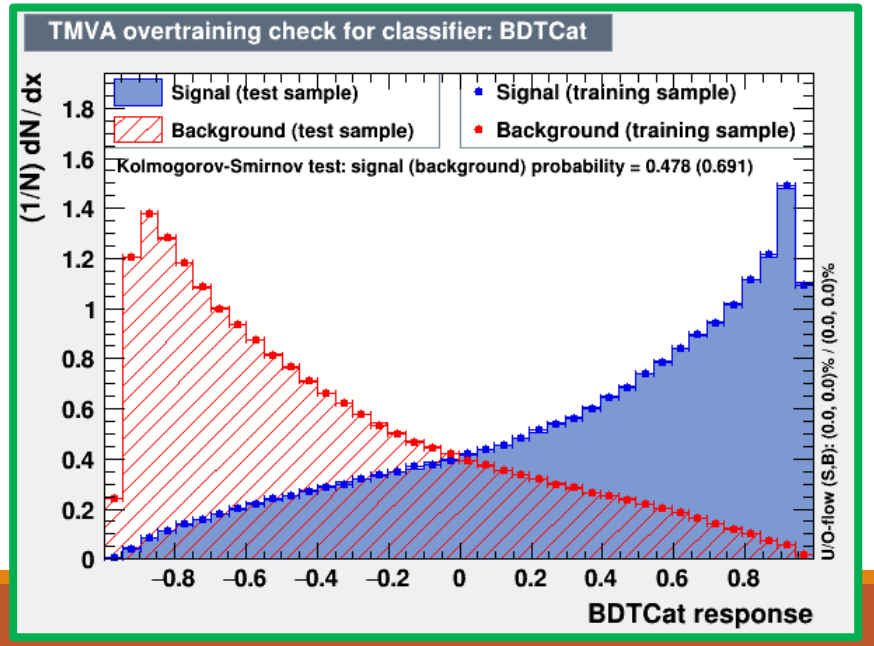
2016 preVFP



2017



2016 postVFP



2018