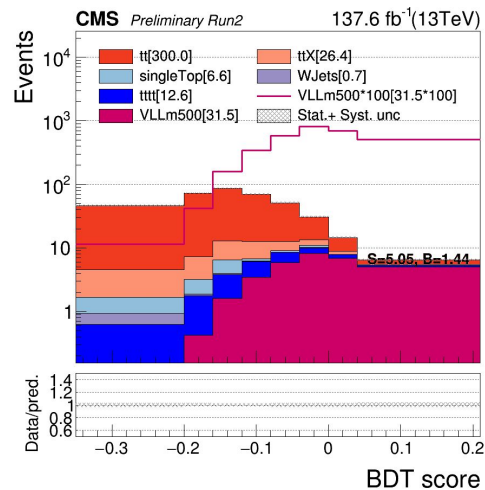


Analysis of 4top process
with VLL model(Run2)

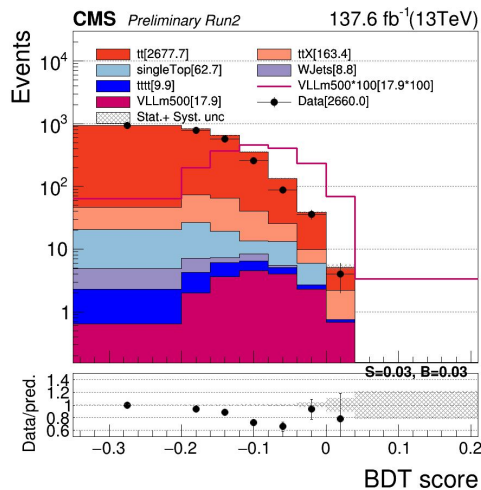
VLLm500 **best bin**(last bin: 0.04-0.2)



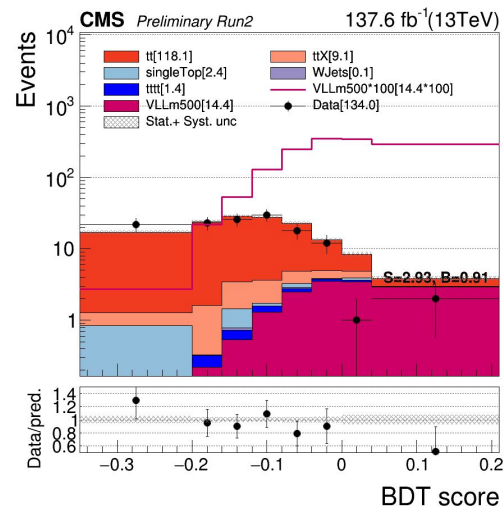
SR

limit: 0.50

significance: 3.97

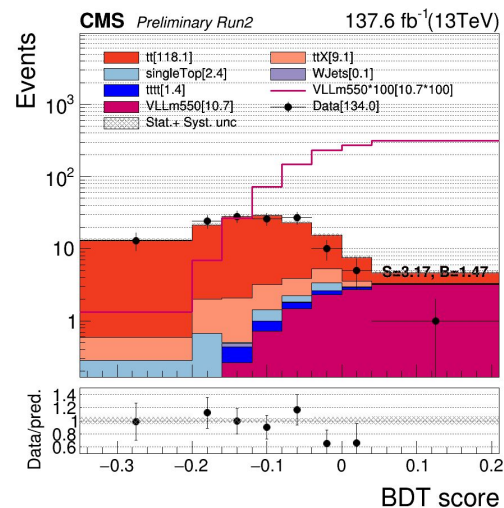
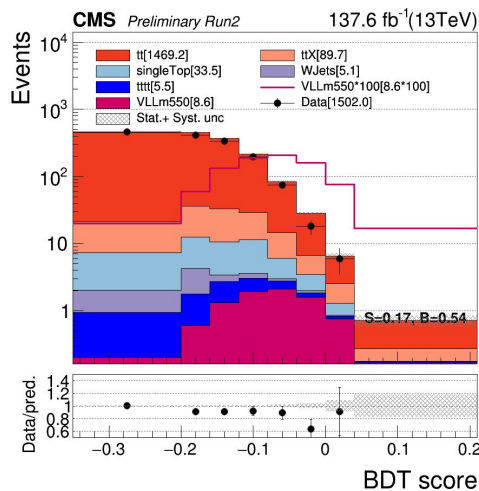
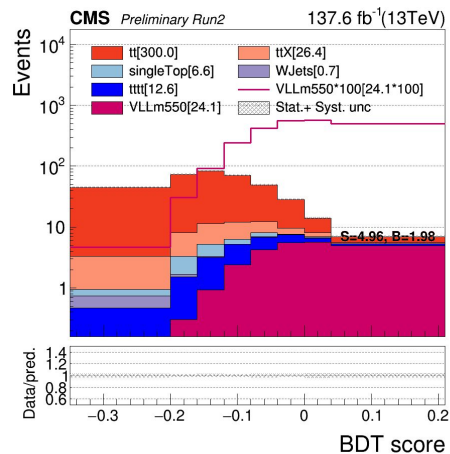


CR1

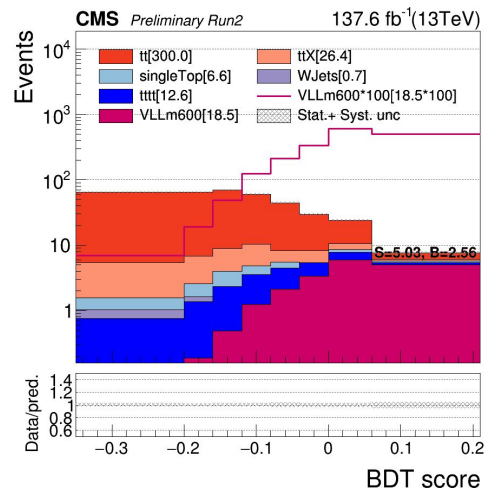


CR2

VLLm550 **best bin**(last bin: 0.04-0.2)



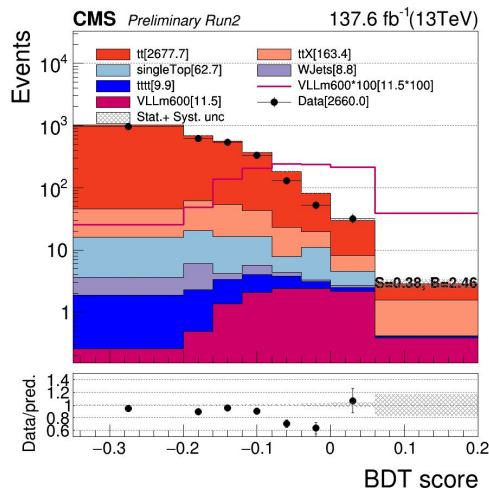
VLLm600 **best bin**(last bin: 0.06-0.2)



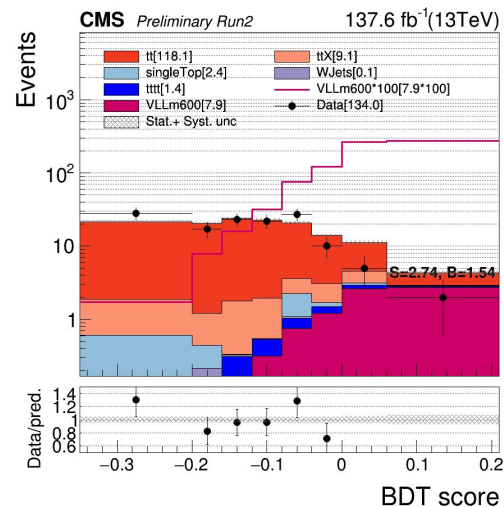
SR

limit: 0.75

significance: 2.73

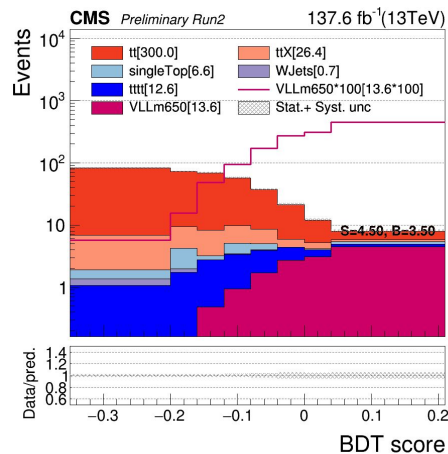


CR1



CR2

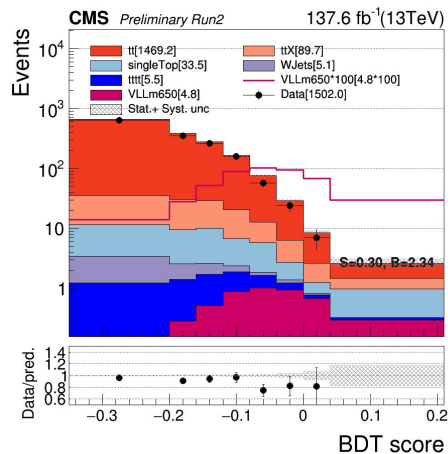
VLLm650 **best bin**(last bin: 0.04-0.2)



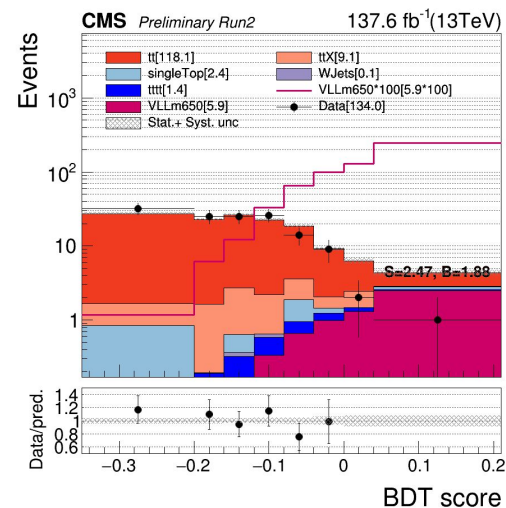
SR

limit: 0.94

significance: 2.28

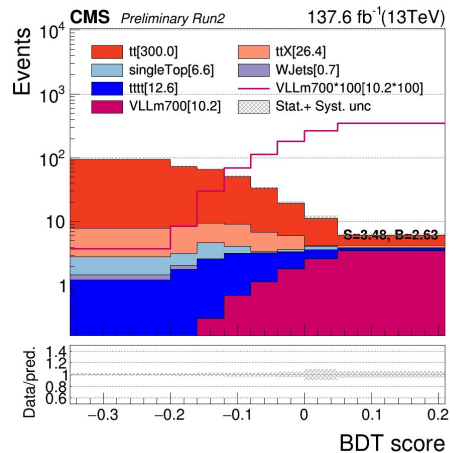


CR1



CR2

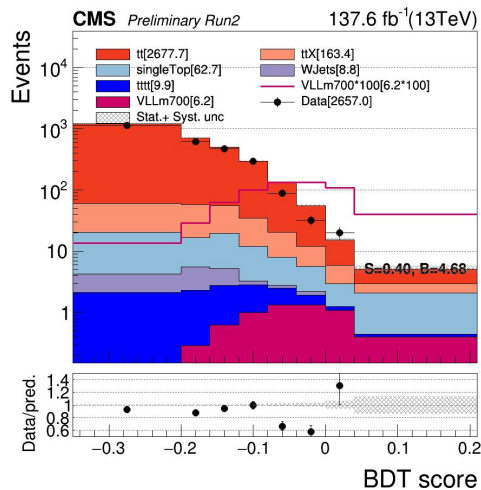
VLLm700 **best bin**(last bin: 0.05-0.2)



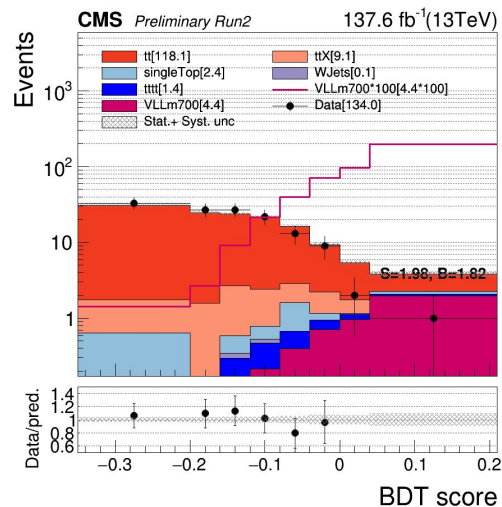
SR

limit: 1.13

significance: 1.98

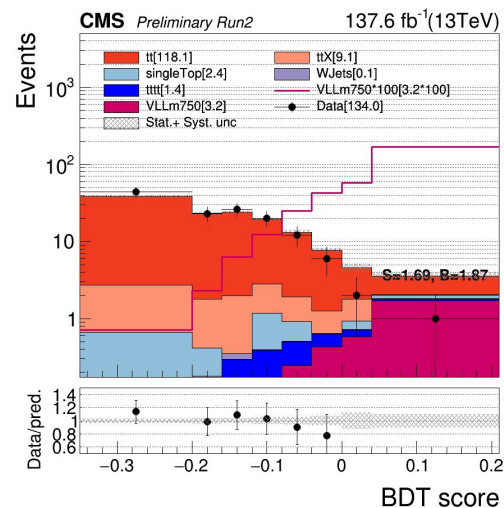
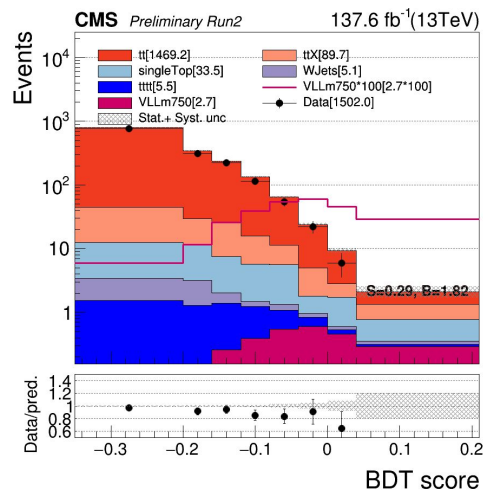
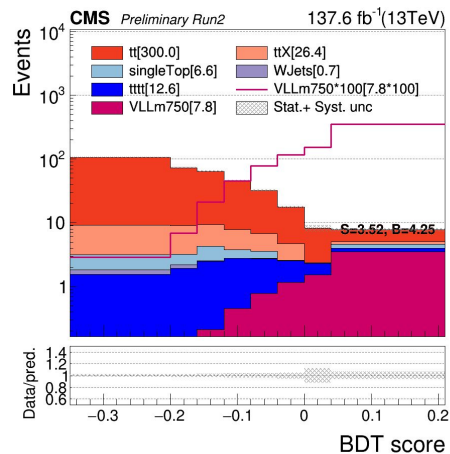


CR1

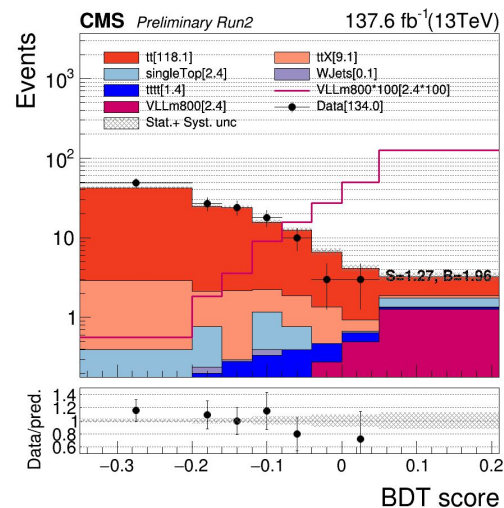
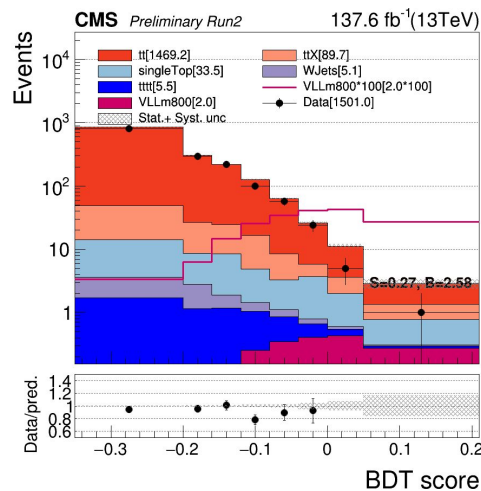
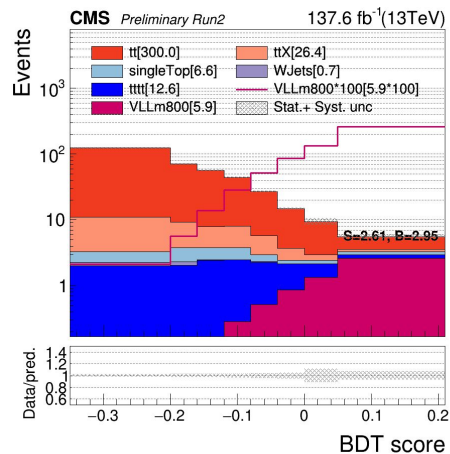


CR2

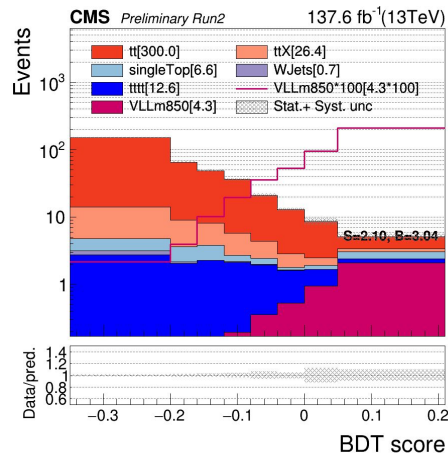
VLLm750 **best bin**(last bin: 0.04-0.2)



VLLm800 **best bin**(last bin: 0.05-0.2)



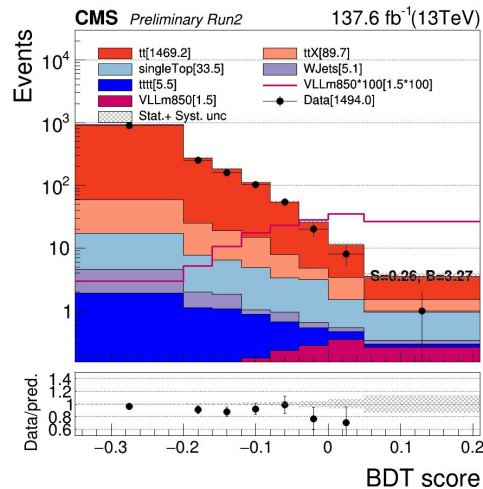
VLLm850 **best bin**(last bin: 0.05-0.2)



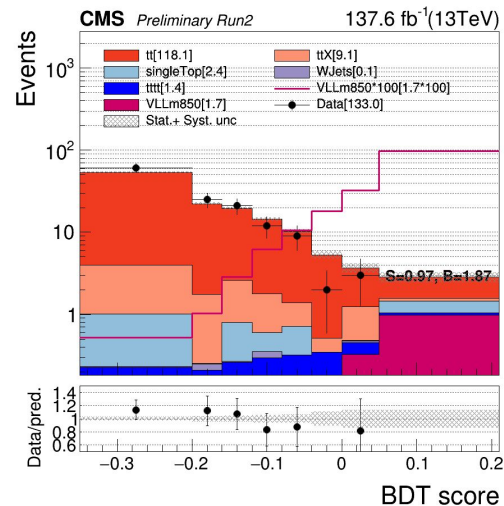
SR

limit: 2.17

significance: 1.10

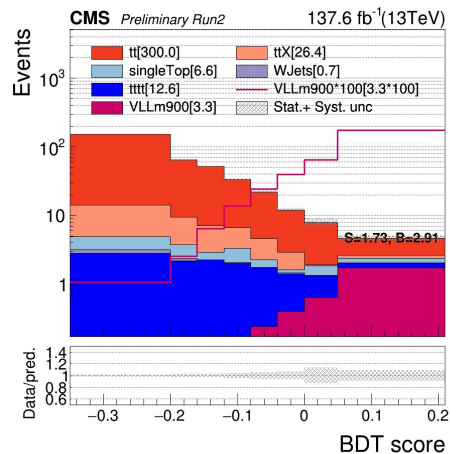


CR1



CR2

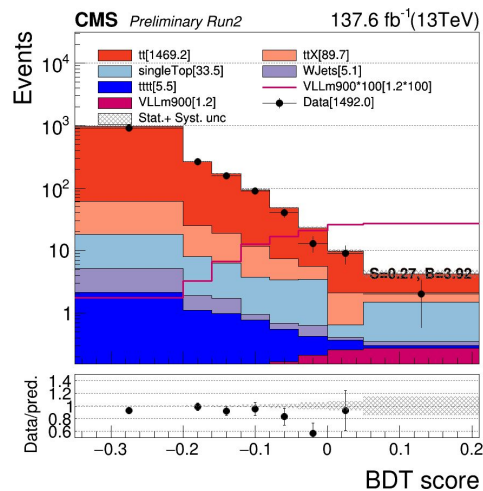
VLLm900 **best bin**(last bin: 0.05-0.2)



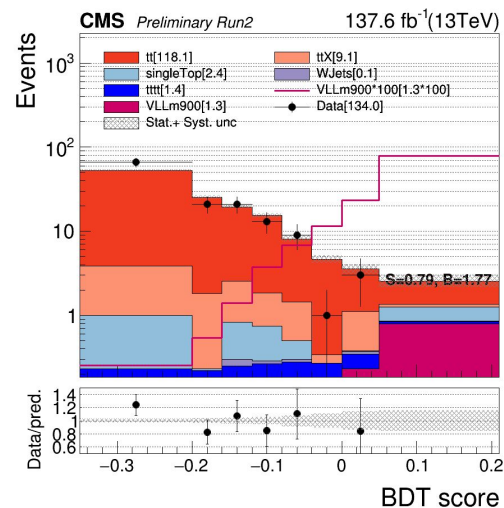
SR

limit: 2.66

significance: 0.92

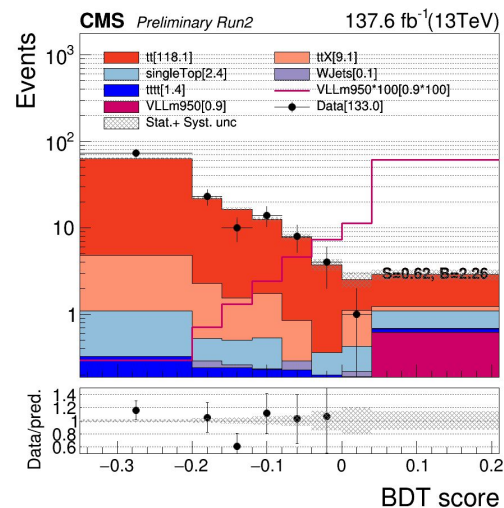
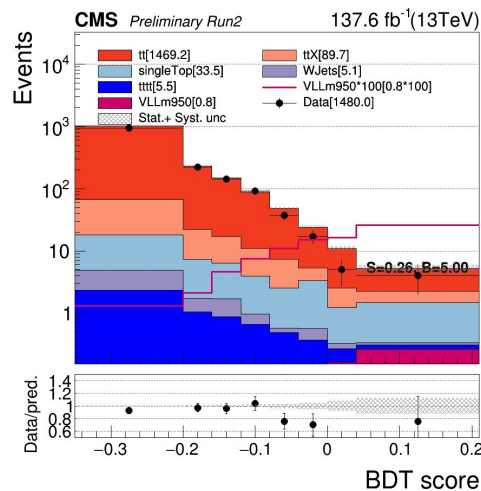
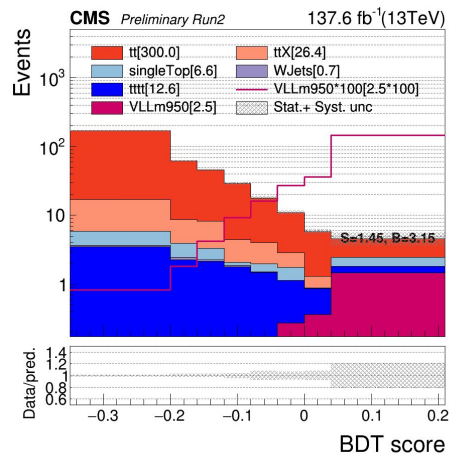


CR1



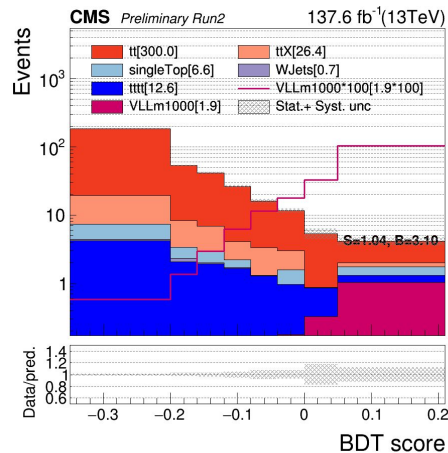
CR2

VLLm950 **best bin**(last bin: 0.04-0.2)



VLLm1000

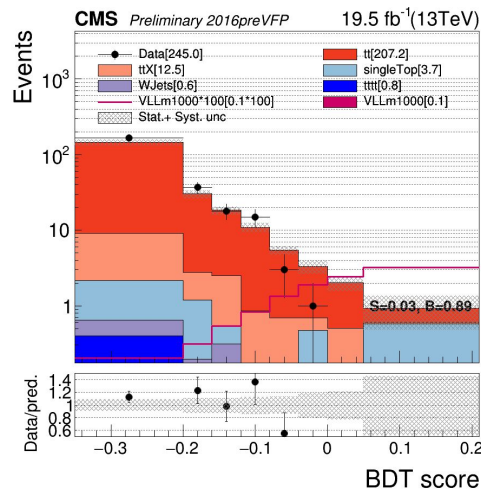
best bin (last bin: 0.05-0.2)



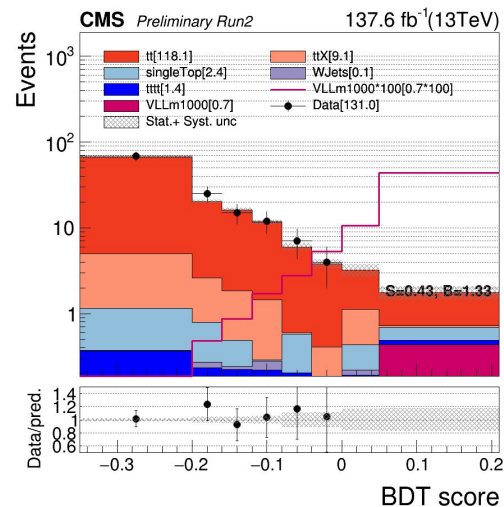
SR

limit: 4.58

significance: 0.55



CR1



CR2

CMS Preliminary Run2

137.6 fb⁻¹(13TeV)

