

Data and MC samples for 2017 Analysis

Background samples cross sections are referenced from the git link below:

<https://github.com/RazorCMS/RazorAnalyzer/blob/master/data/xSections.dat>

Sr.	MC Signal	Total Number of Events	Cross-section (pb)
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1. /TTTo2L2Nu_TuneCP5_13TeV-powheg-pythia8/RunIIFall17MiniAODv2-PU2017_12Apr2018_94X_mc2017_rea

Sr.	MC Backgrounds	Total Number of Events	Cross-section (pb)
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1. /WZTo3LNU_TuneCP5_13TeV-amcatnloFXFX-pythia8/RunIIFall17MiniAOD-94X_mc2017_realistic_v10-v2/MI

2. /DYJetsToLL_M-50_TuneCP5_13TeV-amcatnloFXFX-pythia8/RunIIFall17MiniAOD-94X_mc2017_realistic_v10

3. /DYJetsToLL_M-10to50_TuneCP5_13TeV-madgraphMLM-pythia8/RunIIFall17MiniAOD-94X_mc2017_realistic

4. /ZZTo4L_13TeV_powheg_pythia8/RunIIFall17MiniAOD-94X_mc2017_realistic_v10_ext1-v1/MINIAODSIM

5. /WWTo2L2Nu_NNPdf31_TuneCP5Down_13TeV-powheg-pythia8/RunIIFall17MiniAOD-94X_mc2017_realistic

6. /TTWJetsToLNU_TuneCP5_13TeV-amcatnloFXFX-madspin-pythia8/RunIIFall17MiniAOD-94X_mc2017_realisti

7. /TTZToLLNuNu_M-10_TuneCP5_13TeV-amcatnlo-pythia8/RunIIFall17MiniAOD-94X_mc2017_realistic_v10-v1

Data Sample	Cross-section (fb)	Cross-section (fb) 30-July-18
SingleMuon		
/SingleMuon/Run2017B-31Mar2018-v1/MINIAOD	4.79	4.77
/SingleMuon/Run2017C-31Mar2018-v1/MINIAOD	9.75	9.56
/SingleMuon/Run2017D-31Mar2018-v1/MINIAOD	4.32	4.21
/SingleMuon/Run2017E-31Mar2018-v1/MINIAOD	9.43	9.40
/SingleMuon/Run2017F-31Mar2018-v1/MINIAOD	13.57	13.45
Total cross-section	41.86	41.39
SingleElectron		
/SingleElectron/Run2017B-31Mar2018-v1/MINIAOD	4.79	4.79
/SingleElectron/Run2017C-31Mar2018-v1/MINIAOD	9.75	9.75
/SingleElectron/Run2017D-31Mar2018-v1/MINIAOD	4.32	4.32
/SingleElectron/Run2017E-31Mar2018-v1/MINIAOD	9.43	9.19
/SingleElectron/Run2017F-31Mar2018-v1/MINIAOD	13.57	13.45
Total cross-section	41.86	41.5
DoubleEG		
/DoubleEG/Run2017B-31Mar2018-v1/MINIAOD	4.79	
/DoubleEG/Run2017C-31Mar2018-v1/MINIAOD	9.75	
/DoubleEG/Run2017D-31Mar2018-v1/MINIAOD	4.32	
/DoubleEG/Run2017E-31Mar2018-v1/MINIAOD	9.43	
/DoubleEG/Run2017F-31Mar2018-v1/MINIAOD	13.57	

-- MuhammadAhmad - 2018-06-06

This topic: [Sandbox > DataAndMCSamples2017](#)

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