

Table of Contents

Top quark width measurement using b-jet charge ID using full run II CMS data.....	1
Overview.....	1
Usefull Links.....	2
Data and MC samples.....	3
NTuple production.....	4
Making validation plots.....	4
Making flat ntuples.....	4
Analysis.....	5
Plots.....	5
Inference.....	5

Top quark width measurement using b-jet charge ID using full run II CMS data

Overview

This page contain analysis instructions (in development)

On this page:

Usefull Links

- B-jet charge ID: Bchargetag *Presentation by Matteo in Top M&P round table: [link](#)

Data and MC samples

Show available MC samples ▾ Hide available MC samples ▾

Sample
/TTJets_TuneCP5_13TeV-amcatnloFXFX-pythia8/RunIISummer19UL17MiniAOD-106X_mc2017_realistic_v6-v2/M

Show available MC signal samples ▾ Hide available MC samples ▾

These samples produced privately and can be found in CERN EOS

Sample	Xsec [fb]
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Producing gridpack for Wb Wb scattering using Madgraph (QuickGuideMadGraph5aMCatNLO):

Create cards, examples can be found in `~mpitt/public/TopWidth/cards` (folders `WbjetToLNu_LO`, `WAntiBjetToLNu_LO`, `WbjetToLNuG2_LO` and `WAntiBjetToLNuG2_LO`)

To create gridpacks, execute the following lines:

```
git clone -b mg27x https://github.com/cms-sw/genproductions.git
cd genproductions/bin/MadGraph5_aMCatNLO/
cp -r ~mpitt/public/TopWidth/cards/* cards/
cp -r /eos/cms/store/cmst3/group/top/WbWb/cards/* .
./gridpack_generation.sh ST_4f_w_lo cards/ST_4f_w_lo
```

For job submission in condor, use code in `~mpitt/public/TopWidth/condor`

Show available Data samples ▾ Hide available Data samples ▾

TO UPDATE

Stream	Lumi
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NTuple production

Making validation plots

Making flat ntuples

Analysis

Plots

execute this and that

Inference

execute this and that

-- MichaelPitt - 2020-10-05

This topic: Sandbox > Topwidth

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