

# Table of Contents

<b>Analyses with 7+8 TeV data.....</b>	<b>1</b>
General purpose Trees location.....	1
WW cross section.....	1
special WW trees location.....	1
Higgs width measurement.....	1
GF Production.....	1
gg2VV generation.....	1
lhe File location.....	2
Private Production.....	3
VBF Production.....	3
Phantom 1_2_5 Generation.....	3
Relative links.....	4
Presentations relative to the Analysis.....	4

# Analyses with 7+8 TeV data

## General purpose Trees location

Formerly in

- /afs/cern.ch/user/j/jfernan2/work2/public/LatinoTrees/R53X\_S1\_V08\_S2\_V09\_S3\_V13/

Now stored in

- /eos/cms/store/group/phys\_higgs/cmshww/amassiro/RunI/R53X\_S1\_V08\_S2\_V09\_S3\_V13

## WW cross section

### special WW trees location

- /afs/cern.ch/work/d/dmeister/public/LatinoTrees/NoSkim\_genJet\_puW\_effW\_triggW/
  - ◆ 000 Madgraph
  - ◆ 001 GGWW
  - ◆ 002 MCNLO
  - ◆ 006 Powheg

with all weights applied and xy-shift of the MET too (same name coding)

- /afs/cern.ch/work/c/calderon/public/RooUnfold/nllResummation
- /eos/cms/store/user/amassiro/WW/LatinosTrees/ww-xyshift/

## Higgs width measurement

AN-2014/192 -- Measurement of the Higgs boson width using off-shell production and decay to WW to 2l2v

- Contact: SangEun Lee for GF , Anna Kropivnitskaya for VBF , ... , ...

\* all 7 TeV signal samples: /eos/cms/store/group/phys\_higgs/cmshww/amassiro/HiggsWidth/7TeV

## GF Production

### gg2VV generation

- 8 TeV generation with widthH25SM: done
- 8 TeV generation with widthH1SM: done
- 7 TeV with widthH25SM: done
- 7 TeV with widthH1SM: done

8 TeV Trees location:

- /eos/cms/store/user/kbutanov/HWWwidth/LatinosTrees/gg2vv/
- with new variable mWW included:  
/eos/cms/store/group/phys\_higgs/cmshww/amassiro/HiggsWidth/gg2vv

latinogg2vv_Hw1_SigOnPeak_8TeV.root	(baseW=0.0002727276)
-------------------------------------	----------------------

latinogg2vv_Hw1_SigShoulder_8TeV.root	(baseW=0.0000282213)
latinogg2vv_Hw1_SigTail_8TeV.root	(baseW=0.0000287054)
latinogg2vv_Hw1_IntOnPeak_8TeV.root	(baseW=0.0002493805)
latinogg2vv_Hw1_IntShoulder_8TeV.root	(baseW=0.0002905086)
latinogg2vv_Hw1_IntTail_8TeV.root	(baseW=0.0000493271)
latinogg2vv_Hw25_SigOnPeak_8TeV.root	(baseW=0.0004300797)
latinogg2vv_Hw25_SigShoulder_8TeV.root	(baseW=0.0002133461)
latinogg2vv_Hw25_SigTail_8TeV.root	(baseW=0.0000429330)
latinogg2vv_Hw25_IntOnPeak_8TeV.root	(baseW=0.0002894383)
latinogg2vv_Hw25_IntShoulder_8TeV.root	(baseW=0.0002814889)
latinogg2vv_Hw25_IntTail_8TeV.root	(baseW=0.0000575132)
latinogg2vv_Hw25_CotHead_8TeV.root	(baseW=0.0002568155)
latinogg2vv_Hw25_CotTail_8TeV.root	(baseW=0.0000259908)

7 TeV Trees location:

- /eos/cms/store/group/phys\_higgs/cmshww/amassiro/HiggsWidth/7TeV/
- 'baseW' added: /eos/cms/store/user/kbutanov/HWWwidth/LatinosTrees/gg2vv/7TeV/
- all weights added: /eos/cms/store/group/phys\_higgs/cmshww/amassiro/HiggsWidth/7TeV/

latino_250_ggww1sm000140.root	(baseW=0.0002090712)
latino_253_ggww1sm140300.root	(baseW=0.0000209064)
latino_256_ggww1sm300.root	(baseW=0.0000209075)
latino_260_ggww1smSBI000140.root	(baseW=0.0001838157)
latino_263_ggww1smSBI140300.root	(baseW=0.0001846345)
latino_266_ggww1smSBI300.root	(baseW=0.0000366236)
latino_252_ggww25sm000140.root	(baseW=0.0003176794)
latino_255_ggww25sm140300.root	(baseW=0.0001670883)
latino_258_ggww25sm300.root	(baseW=0.0000321056)
latino_262_ggww25smSBI000140.root	(baseW=0.0002130815)
latino_265_ggww25smSBI140300.root	(baseW=0.0002104610)
latino_268_ggww25smSBI300.root	(baseW=0.0000428659)
latino_270_ggwwB000300.root	(baseW=0.0001883797)
latino_271_ggwwB300.root	(baseW=0.0000192711)

## The File location

Show Hide

- - 8TeV Hw25 : /afs/cern.ch/work/s/spak/public/LHeFiles/Hw25 (All combination of Lepton1+Lepton2. Lepton = electron, muon, tau)
  - ---Sig : Onpeak - 247,915
  - ---Sig : Shoulder - 120,574
  - ---Sig : Tail - 915,162
  - ---Cot : Head - 354,409
  - ---Cot : Tail - 455,152
  - ---Int : Onpeak - 358,140
  - ---Int : Shoulder - 321,430
  - ---Int : Tail - 601,719
- 8 TeV Hw25 Official GENSIMRECO Request
- - 8TeV Hw1 : /afs/cern.ch/work/s/spak/public/LHeFiles/Hw1 (All combination of Lepton1+Lepton2. Lepton = electron, muon, tau)
  - ---Sig : Onpeak - 390,236
  - ---Sig : Shoulder - 38,455

- ---Sig : Tail - 57,402
- ---Int : Onpeak - 412,831
- ---Int : Shoulder - 347,347
- ---Int : Tail - 197,548
- 8 TeV Hw1 Official GENSIMRECO Request
- - 7TeV Hw25 : /afs/cern.ch/work/s/spak/public/LHeFiles/Hw25\_7TeV (All combination of Lepton1+Lepton2. Lepton = electron, muon, tau)
- ---Sig : Onpeak - 258,081
- ---Sig : Shoulder - 120,638
- ---Sig : Tail - 820,143
- ---Cot : Head - 357,528
- ---Cot : Tail - 424,111
- ---Int : Onpeak - 371,104
- ---Int : Shoulder - 320,635
- ---Int : Tail - 543,428
- 7 TeV Hw25 Official GENSIMRECO Request
- - 7TeV Hw1 : /afs/cern.ch/work/s/spak/public/LHeFiles/Hw1\_7TeV (All combination of Lepton1+Lepton2. Lepton = electron, muon, tau)
- ---Sig : Onpeak - 391,095
- ---Sig : Shoulder - 36,476
- ---Sig : Tail - 49,793
- ---Int : Onpeak - 422,765
- ---Int : Shoulder - 340,939
- ---Int : Tail - 180,102
- 7 TeV Hw1 Official GENSIMRECO Request

## Private Production

- ---Hw25 Sig-OnPeak: done : Ntuple: NA
- ---Hw25 Sig-Shoulder: done : Ntuple: NA
- ---Hw25 Sig-Tail : processing

## VBF Production

### Phantom 1\_2\_5 Generation

Tree location for 8 TeV official MC:

/store/group/phys\_higgs/cmshww/amassiro/HiggsWidth/

tree name	baseW
latino_160_qqww1smEM.root	1.0 (not updated)
latino_161_qqww9smEM.root	1.0 (not updated)
latino_162_qqww25smEM.root	1.0 (not updated)

Trees with updated weight are in private directory:

/afs/cern.ch/work/t/taehoon/public/HiggsWW/CMSSW\_5\_3\_11\_patch6/src/HWWAnalysis/ShapeAnalysis/scripts/

tree name	baseW
latino_160_qqww1smEM_baseW.root	0.0000041034
latino_161_qqww9smEM_baseW.root	0.0000041183
latino_162_qqww25smEM_baseW.root	0.0000043112

Weight were calculating at MC [google DOC](#).

## Relative links

1. ARC review of HIG-14-032
2. PAS-HIG-14-032: Tasks for Editors
3. Interna Review of AN before pre-approval

## Presentations relative to the Analysis

Date	Meeting	Title	Speaker
27.11.2014	HWW meeting	Higgs width measurement preapproval <a href="#">↗</a>	Lorenzo Viliani
20.11.2014	HWW meeting	H Width analysis: Replies to internal review <a href="#">↗</a>	Sezen Sekmen
23.10.2014	HWW meeting	Status report on Higgs width measurement in the fully leptonic final state <a href="#">↗</a>	Andrea Massironi
09.10.2014	HWW meeting	H Width with VBF H->WW->lvlv: Status report <a href="#">↗</a>	Anna Kropivnitskaya
09.10.2014	HWW meeting	H width with VBF H->WW->lvlv: PHANTOM EWK top estimation <a href="#">↗</a>	Lorenzo Viliani
18.09.2014	HWW workshop	H Width in HWW-2l2nu: VBF analysis <a href="#">↗</a>	Anna Kropivnitskaya
18.09.2014	HWW workshop	H Width in HWW-2l2nu: GF analysis <a href="#">↗</a>	Sangeun Lee
17.07.2014	HWW meeting	Off shell Higgs production in the VBF topology <a href="#">↗</a>	Anna Kropivnitskaya

-- AndreaMassironi - 24 Apr 2014

This topic: Main > LatinosAN2014

Topic revision: r28 - 2014-11-27 - AnnaKropivnitskaya



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback