Search for diboson resonances with CMS and Pixel Barrel Detector Calibration and Upgrade

Dissertation

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Jennifer Ngadiuba

Promotionskomitee

Prof. Dr. Benjamin Kilminster Prof. Dr. Florencia Canelli Prof. Dr. Laura Baudis Prof. Dr. Ueli Straumann

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Contents

1	Intr	roducti	ion	1					
2	The CMS Experiment at the LHC								
	2.1	The L	arge Hadron Collider	2					
	2.2	The C	CMS Detector	2					
		2.2.1	The Silicon Tracker	2					
		2.2.2	The Electromagnetic Calorimeter	2					
		2.2.3	The Hadronic Calorimeter	2					
		2.2.4	The Muon System	2					
		2.2.5	The Trigger System	2					
	2.3	The C	CMS detector simulation	2					
3	The Standard Model and beyond								
	3.1	The S	tandard Model	3					
		3.1.1	Particles and interactions	3					
		3.1.2	Spontaneous symmetry breaking	3					
		3.1.3	The Higgs mechanism	3					
		3.1.4	The Higgs boson discovery at LHC	3					
	3.2	The h	ierarchy problem and other SM limitations	3					
	3.3		ries of new physics	3					
		3.3.1	Warped Extra dimensions	3					
		3.3.2	Compositeness	3					
		3.3.3	Heavy vector triplet	3					
I	Sea	arch fo	or diboson resonances with CMS	4					
4	Dib	oson r	resonances as signature for new physics	5					
5			ad event reconstruction	6					
J	5.1		s and vertices	6					
	5.1 5.2		cons	6					
	5.3		S	6					
	5.4	Jets		6					
	9.4	5.4.1	Identification of b jets	6					
	5.5		· · · · · · · · · · · · · · · · · · ·	6					
	5.6		ng transverse energy	6					
	5.0	$vv \rightarrow \ell$	$\ell\nu$ reconstruction	U					
6	Event simulation								
	6.1		e Carlo event generators	7					
	6.2		ation of physics processes	7					
		6.2.1	Simulation of signal processes	7					
		6.2.2	Simulation of background processes	7					

CONTENTS 3

7	Boosted H \rightarrow b \overline{b} and W/Z \rightarrow q $\overline{q}^{(\prime)}$ identification with jet substructure							
	7.1	Jet substructure algorithms	8					
		7.1.1 Jet pruning	8					
		7.1.2 N-subjettiness	8					
	7.2	W/Z-tagging validation in top enriched sample	8					
	7.3	, == = =	8					
8	Fina	al event selection and categorization	9					
	8.1	Search for a WH resonance in the $\ell\nu b\bar{b}$ final state at $\sqrt{s}=8~{\rm TeV}$	9					
		8.1.1 $t\bar{t}$ background rejection	9					
		8.1.2 Final selection and control plots	9					
	8.2	Search for WW/WZ resonances in the $\ell\nu q\overline{q}^{(\prime)}$ final state at $\sqrt{s}=13~{\rm TeV}$	9					
		·	9					
		, - =	9					
9	Sign	al and background modeling 1	0					
	9.1	Signal modeling	0					
		9.1.1 Parametrization of the resonance mass	0					
		9.1.2 Signal efficiency	0					
	9.2	Background modeling	0					
		9.2.1 W+jets background estimate with alpha method	0					
		9.2.2 $t\bar{t}$ control sample	0					
	9.3	Systematic uncertainties	0					
		9.3.1 Systematic uncertainties in the background estimation	0					
		9.3.2 Systematic uncertainties in the signal prediction $\dots \dots \dots$	0					
10	Results with 8 TeV data							
	10.1	Final m_{WH} distribution	1					
	10.2	Studies on the excess	.1					
11		ults with 13 TeV data	2					
	11.1	Final m_{WV} distribution	2					
12	Stat	istical and model interpretation 1	3					
	12.1	Testing new resonance hypothesis						
		12.1.1 Profile likelihood procedure						
		12.1.2 The CL_s method						
		12.1.3 Treatment of uncertainties						
	12.2	Limits on the 8 and 13 TeV cross sections	3					
13		abination of searches for diboson resonances at $\sqrt{s}=8$ and 13 TeV 1	4					
	13.1	Inputs to the combination						
		13.1.1 8 TeV VV searches						
			4					
		13.1.3 8 TeV VH searches						
		13.1.4 13 TeV VH searches						
		Combination procedure						
	13.3	Results						
		13.3.1 Limits on W'						
		13.3.2 Limits on Z'	4					

4 CONTENTS

	13.3.3 Limits on heavy vector triplet (W'+Z') 13.3.4 Limits on Bulk Graviton 13.3.5 Significance at 2 TeV	14 14 14							
14 Co	onclusions	15							
II C	Calibration and Upgrade of the CMS Pixel Barrel Detector	16							
15 introduction chapter: why pixels are so important for physics									
	e CMS Pixel Barrel Detector	18							
	1 Design of the CMS Pixel Barrel Detector	18							
16.	2 Detector modules	18							
	16.2.1 Sensor	18							
	16.2.2 Readout Chip	18							
	16.2.3 Token Bit Manager	18							
16.	3 Readout and control system	18							
	16.3.1 Analog readout chain	18							
	16.3.2 Front End Driver	18							
	16.3.3 Supply Tube	18							
	16.3.4 Communication and Control Unit	18							
16	16.3.5 Front End Controller	18							
	5 Performance at $\sqrt{s} = 8$ and 13 TeV	18 18							
10.	5 Ferrormance at $\sqrt{s} = 8$ and 15 TeV	10							
17 Op	otimization and commissioning for LHC Run II	19							
17.	1 Radiation damage after LHC Run I	19							
17.	2 Optimization for LHC Run II	19							
	17.2.1 Overview of pixel calibrations	19							
	17.2.2 Temperature dependence	19							
17.	3 Commissioning for LHC Run II	19							
	17.3.1 Installation into CMS	19							
	17.3.2 Check out of optical connections	19							
	17.3.3 Adjustment of readout chain settings	19							
	17.3.4 Optimisation of signal performance	19							
18 Ph	ase I Upgrade of the CMS Pixel Barrel Detector	20							
	1 Motivations	20							
	2 Summary of changes	20							
	3 The digital readout chain	20							
	4 The Phase I supply tubes	20							
	5 The test stand	20							
18.	6 Supply tubes assembly and commissioning	20							
	7 Detector commissioning	20							
19 Co	onclusions	21							
10 00	MCIUSION	4 1							
III	Summary	22							

CHAPTER 1

Introduction

The CMS Experiment at the LHC

- 2.1 The Large Hadron Collider
- 2.2 The CMS Detector
- 2.2.1 The Silicon Tracker
- 2.2.2 The Electromagnetic Calorimeter
- 2.2.3 The Hadronic Calorimeter
- 2.2.4 The Muon System
- 2.2.5 The Trigger System
- 2.3 The CMS detector simulation

The Standard Model and beyond

- 3.1 The Standard Model
- 3.1.1 Particles and interactions
- 3.1.2 Spontaneous symmetry breaking
- 3.1.3 The Higgs mechanism
- 3.1.4 The Higgs boson discovery at LHC
- 3.2 The hierarchy problem and other SM limitations
- 3.3 Theories of new physics
- 3.3.1 Warped Extra dimensions
- 3.3.2 Compositeness
- 3.3.3 Heavy vector triplet

Part I Search for diboson resonances with $\overline{\text{CMS}}$

Diboson resonances as signature for new physics

Object and event reconstruction

- 5.1 Tracks and vertices
- 5.2 Electrons
- 5.3 Muons
- 5.4 Jets
- 5.4.1 Identification of b jets
- 5.5 Missing transverse energy
- 5.6 $W\rightarrow \ell\nu$ reconstruction

Event simulation

- 6.1 Monte Carlo event generators
- 6.2 Simulation of physics processes
- 6.2.1 Simulation of signal processes
- 6.2.2 Simulation of background processes

Chapter 7

Boosted $H \rightarrow b\overline{b}$ and $W/Z \rightarrow q\overline{q}^{(\prime)}$ identification with jet substructure

- 7.1 Jet substructure algorithms
- 7.1.1 Jet pruning
- 7.1.2 N-subjettiness
- 7.2 W/Z-tagging validation in top enriched sample
- 7.3 H-tagging algorithm

Final event selection and categorization

- 8.1 Search for a WH resonance in the $\ell\nu b\overline{b}$ final state at \sqrt{s} = 8 TeV
- 8.1.1 $t\bar{t}$ background rejection
- 8.1.2 Final selection and control plots
- 8.2 Search for WW/WZ resonances in the $\ell\nu q\overline{q}^{(\prime)}$ final state at $\sqrt{s}=$ 13 TeV
- 8.2.1 W/Z-jet mass categories
- 8.2.2 Final selection and control plots

Signal and background modeling

- 9.1 Signal modeling
- 9.1.1 Parametrization of the resonance mass
- 9.1.2 Signal efficiency
- 9.2 Background modeling
- 9.2.1 W+jets background estimate with alpha method
- 9.2.2 $t\bar{t}$ control sample
- 9.3 Systematic uncertainties
- 9.3.1 Systematic uncertainties in the background estimation
- 9.3.2 Systematic uncertainties in the signal prediction

Results with 8 TeV data

- 10.1 Final m_{WH} distribution
- 10.2 Studies on the excess

Results with 13 TeV data

11.1 Final $m_{\rm WV}$ distribution

Statistical and model interpretation

- 12.1 Testing new resonance hypothesis
- 12.1.1 Profile likelihood procedure
- 12.1.2 The CL_s method
- 12.1.3 Treatment of uncertainties
- 12.2 Limits on the 8 and 13 TeV cross sections

Combination of searches for diboson resonances at $\sqrt{s}=8$ and $13~{\rm TeV}$

- 13.1 Inputs to the combination
- 13.1.1 8 TeV VV searches
- 13.1.2 13 TeV VV searches
- 13.1.3 8 TeV VH searches
- 13.1.4 13 TeV VH searches
- 13.2 Combination procedure
- 13.3 Results
- 13.3.1 Limits on W'
- 13.3.2 Limits on Z'
- 13.3.3 Limits on heavy vector triplet (W'+Z')
- 13.3.4 Limits on Bulk Graviton
- 13.3.5 Significance at 2 TeV

Chapter 14

Conclusions

Part II

Calibration and Upgrade of the CMS Pixel Barrel Detector

introduction chapter: why pixels are so important for physics

The CMS Pixel Barrel Detector

16.2 **Detector modules** 16.2.1 Sensor 16.2.2 Readout Chip 16.2.3 Token Bit Manager 16.3

Design of the CMS Pixel Barrel Detector

- 16.3.1 Analog readout chain
- 16.3.2 Front End Driver
- 16.3.3 Supply Tube

16.1

- 16.3.4 Communication and Control Unit
- Front End Controller 16.3.5
- Pixel Online Software 16.4
- Performance at $\sqrt{s} = 8$ and 13 TeV 16.5

Readout and control system

Optimization and commissioning for LHC Run II

Radiation damage after LHC Run I 17.1 Optimization for LHC Run II 17.2 17.2.1 Overview of pixel calibrations 17.2.2 Temperature dependence Commissioning for LHC Run II 17.3 17.3.1 Installation into CMS 17.3.2 Check out of optical connections Adjustment of readout chain settings 17.3.3 Optimisation of signal performance 17.3.4

Phase I Upgrade of the CMS Pixel Barrel Detector

- 18.1 Motivations
- 18.2 Summary of changes
- 18.3 The digital readout chain
- 18.4 The Phase I supply tubes
- 18.5 The test stand
- 18.6 Supply tubes assembly and commissioning
- 18.7 Detector commissioning

Chapter 19

Conclusions

Part III Summary