

Session Program

8-13 Aug 2011



DPF 2011

Higgs Physics

Rhode Island Convention Center
One Sabin Street Providence, RI 02903

Tuesday 9 August

14:00

Higgs Physics

Session | **Location:** Rhode Island Convention Center, 555 | **Conveners:**
Dr Laura Reina, Prof. Wade Cameron Fisher

14:00–14:20

Search for the Standard Model Higgs boson in $H \rightarrow ZZ$ decay channels with the ATLAS detector

Speaker

G Carrillo Montoya

14:23–14:43

Search for the Higgs boson in leptonic ZZ^* and semileptonic WW^* decays in proton-antiproton collisions at 1.96 TeV

Speaker

Savanna Shaw

14:46–15:06

A Search For The Higgs Boson In $H \rightarrow ZZ \rightarrow 2l 2jet$ Mode

Speaker

Ashish Kumar

15:09–15:29

A Search For The Higgs Boson In $H \rightarrow ZZ \rightarrow 4l$ Mode

Speaker

Mario Pelliccioni

15:29

16:00

Higgs Physics

Session | **Location:** Rhode Island Convention Center, 555 | **Conveners:**
Prof. Wade Cameron Fisher, Dr Laura Reina

16:00–16:20

A Search For The Higgs Boson In $H \rightarrow ZZ \rightarrow 2l 2\nu$ Mode

Speaker

Daniele Trocino

16:23–16:43

Search for the Higgs boson in the $H \rightarrow \gamma\gamma$ decays in proton-antiproton collisions at 1.96 TeV

Speaker

Karen Bland

16:46–17:06

Search for Higgs Boson in Diphoton Final State with the ATLAS Detector

Speaker

Haichen Wang

17:08–17:27

Searches for the Higgs boson in $VH \rightarrow VWW \rightarrow leptons + X$ decays in p-pbar collisions at $\sqrt{s} = 1.96$ TeV

Speaker

Michael Cooke

17:32-17:47

SUSY QCD Corrections to Higgs-b Production

Speaker

Prerit Jaiswal

18:06

Wednesday 10 August

14:00

Higgs Physics

Session | **Location:** Rhode Island Convention Center, 555 | **Conveners:**
Prof. Wade Cameron Fisher, Dr Laura Reina

14:00–14:30

The Beginnings of Spontaneous Symmetry Breaking in Elementary Particle Theory

Speaker

Prof. Gerald Guralnik

14:35–15:05

Electroweak symmetry breaking and the higgs beyond the standard model

Speaker

Prof. Takemichi Okui

15:10–15:30

Search for charged and doubly-charged Higgs boson production in proton-antiproton collisions at 1.96 TeV

Speaker

Louise Suter

15:33–15:53

$H \rightarrow \chi^{\pm} \chi^0$ to $3\ell + E_{\text{T}}$ Searches

Speaker

Mr Caleb Lampen

16:00

16:30

Higgs Physics

Session | **Location:** Rhode Island Convention Center, 555 | **Conveners:**
Prof. Wade Cameron Fisher, Dr Laura Reina

16:30–16:49

A Search For The Higgs Boson In $H \rightarrow \gamma\gamma$ Mode

Speaker

Christopher Allan Palmer

16:51–17:10

A Search For The Higgs Boson In $H \rightarrow WW$

Speaker

Kevin Kai Hong Sung

17:12–17:31

Search For The Standard Model Higgs Boson In The $WH \rightarrow \nu\bar{\nu}$ And $H \rightarrow WW \rightarrow \nu\bar{\nu}$ Decay Modes

Speaker

G Carrillo Montoya

17:33–17:52

Higgs Transverse Momentum Distributions at the LHC

Speaker

Dr Jui-Yu Chiu

17:54-18:13

Updated Search for Standard Model Higgs to WW Production Using up to 8.2 fb⁻¹ at the Tevatron

Speaker

Benjamin Carls

18:15-18:34

Searches for Diboson Production in the Lepton + MET + Jets Final State in ATLAS

Speaker

Mark Neubauer

18:36-18:55

A Search For An Exotic Higgs In The Decay Mode $H^{++} \rightarrow l+l$

Speaker

Maxwell Chertok

19:00

Thursday 11 August

10:30

Higgs Physics

Session | **Location:** Rhode Island Convention Center, 555 | **Conveners:**
Dr Laura Reina, Prof. Wade Cameron Fisher

10:30-11:00 **Review of recent theoretical developments in Higgs physics**

Speaker
Radjia Boughezal

11:05-11:25 **The Combination of Higgs Searches with the ATLAS Detector**

Speaker
Haichen Wang

11:30-11:50 **Searches For The Higgs Boson With The CMS Detector**

Speaker
Dr Marat Gataullin

11:55-12:30

Combined upper limits on Higgs boson production in the Standard Model, fourth generation and fermiophobic models in proton-antiproton collisions at 1.96 TeV at the Tevatron

Speaker
Richard Edward Hughes

12:30

Friday 12 August

08:00

Higgs Physics

Session | **Location:** Rhode Island Convention Center, 555 | **Conveners:**
Dr Laura Reina, Prof. Wade Cameron Fisher

08:00–08:15 **Nonstandard Higgs Decays and Dark Matter in the E6SSM**

Speaker
Roman Nevzorov

08:18–08:36 **A Search For MSSM Higgs Boson in the Mode $H \rightarrow \tau \tau$**

Speaker
Mr Louis James Antonelli

08:39–08:57

Search for Standard Model Higgs bosons in tau final states in proton-antiproton collisions at 1.96 TeV

Speaker
Elisabetta Pianori

09:00–09:18

Search for neutral Supersymmetric Higgs bosons in di-tau and b+di-tau final states in proton-antiproton collisions at 1.96 TeV

Speaker
Subhendu Chakrabarti

09:21–09:39

Search for neutral Supersymmetric Higgs bosons in bbb(b) final states in proton-antiproton collisions at 1.96 TeV

Speaker
Craig Group

09:42–09:57 **Higgs Boson Differential Distributions from Effective Field Theory**

Speaker
Dr Sonny Mantry

10:00

10:30

Higgs Physics

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10:30–10:50

Combined CDF and D0 upper limits on MSSM Higgs boson production in in proton-antiproton collisions at the Tevatron

Speaker
Louise Suter

10:53–11:13

Search for associated production of W and Higgs bosons in lvbb final states in proton-antiproton collisions at 1.96 TeV

Speaker

Duncan Brown

11:16-11:36

Search for associated production of Z and Higgs bosons in $bb+\text{neutrino}$ final states in proton-antiproton collisions at 1.96 TeV

Speaker

Tim Scanlon

11:39-11:59

Search for associated production of Z and Higgs bosons in $llbb$ final states in proton-antiproton collisions at 1.96 TeV

Speaker

Michael Kirby

12:02-12:22

Tevatron Measurement of WZ/ZZ ($Z \rightarrow bb$) production cross section in proton-antiproton collisions at 1.96 TeV

Speaker

Gabriel Facini

12:30