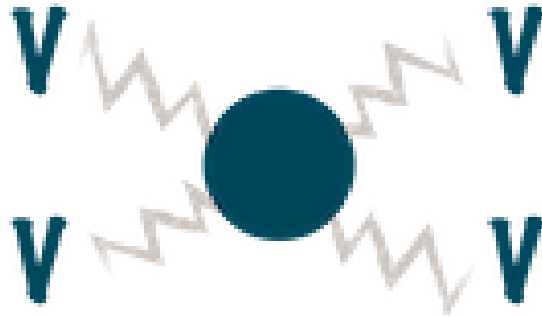


Multi-Boson Interactions 2023



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Tuesday, August 29, 2023 1:00 PM (30 minutes)

Presenter: CHIVUKULA, R. Sekhar (UC San Diego)

Contribution ID: 2

Type: **not specified**

Registration

Contribution ID: 3

Type: **not specified**

Summary

Friday, September 1, 2023 11:00 AM (1 hour)

Presenter: YUAN, C.-P. (Michigan State University)

Session Classification: Summary

Contribution ID: 4

Type: **not specified**

Multiboson physics with photons (Vg, Vgg, and VVg) in ATLAS

Thursday, August 31, 2023 9:00 AM (30 minutes)

Presenter: LAMBERT, Joseph Earl (University of Victoria (CA))

Session Classification: Electroweak/Higgs Multiboson Measurements

Contribution ID: 5

Type: **not specified**

Multiboson physics with photons (Vg, Vgg, and VVg) in CMS

Thursday, August 31, 2023 10:45 AM (30 minutes)

Presenter: LEVIN, Andrew Michael (Peking University (CN))

Session Classification: Electroweak/Higgs Multiboson Measurements

Contribution ID: 6

Type: **not specified**

Electroweak multiboson production in ATLAS

Wednesday, August 30, 2023 2:00 PM (30 minutes)

Presenter: ZHOU, Bing (University of Michigan (US))

Session Classification: Electroweak/Higgs Multiboson Measurements

Contribution ID: 7

Type: **not specified**

Electroweak multiboson production in CMS

Thursday, August 31, 2023 3:30 PM (30 minutes)

Presenter: PASPALAKI, Garyfallia (Purdue University (US))

Session Classification: Electroweak/Higgs Multiboson Measurements

Contribution ID: 8

Type: **not specified**

Studies of new Higgs boson interactions through nonresonant HH production in the $bb\bar{b}\bar{b}$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Thursday, August 31, 2023 4:15 PM (20 minutes)

Presenter: TISHELMAN-CHARNY, Abraham (Brookhaven National Laboratory (US))

Session Classification: Electroweak/Higgs Multiboson Measurements

Contribution ID: 9

Type: **not specified**

Machine learning for hadronic multi-Higgs boson production

Wednesday, August 30, 2023 2:45 PM (20 minutes)

Presenter: LI, Haoyang (Univ. of California San Diego (US))

Session Classification: Jets and Machine Learning

Contribution ID: **10**

Type: **not specified**

VBS opposite-sign WW in ATLAS

Thursday, August 31, 2023 11:30 AM (20 minutes)

Presenter: ROLAND, Christophe Pol A (Indiana University (US))

Session Classification: Electroweak/Higgs Multiboson Measurements

Contribution ID: 12

Type: **not specified**

Massive Diboson Measurements in ATLAS & CMS

Wednesday, August 30, 2023 9:45 AM (30 minutes)

Presenter: ATMASIDDHA, Prachi (University of Michigan, Ann Arbor)

Session Classification: Electroweak/Higgs Multiboson Measurements

Contribution ID: 13

Type: **not specified**

EFT searches in multiboson final states in ATLAS & CMS

Tuesday, August 29, 2023 4:15 PM (30 minutes)

Presenter: SCHMITT, Michael (Northwestern University (US))

Session Classification: Effective Field Theory

Contribution ID: 14

Type: **not specified**

Direct Searches for New Physics in Multiboson final states in ATLAS & CMS

Tuesday, August 29, 2023 1:30 PM (30 minutes)

Presenter: APYAN, Aram (Brandeis University (US))

Session Classification: New Physics

Contribution ID: 16

Type: **not specified**

Multi-Boson Events in the Light Exotics Effective Field Theory

Tuesday, August 29, 2023 2:15 PM (30 minutes)

Presenters: CARPENTER, Linda; CARPENTER, Linda (UC Irvine)

Session Classification: New Physics

Contribution ID: 17

Type: **not specified**

SMEFT NLO effects

Tuesday, August 29, 2023 3:30 PM (30 minutes)

Presenter: HOMILLER, Samuel (Harvard University)

Session Classification: Effective Field Theory

Contribution ID: **18**

Type: **not specified**

CMS off-shell Higgs boson measurements

Thursday, August 31, 2023 9:45 AM (20 minutes)

Presenter: SARICA, Ulascan (Univ. of California Santa Barbara (US))

Session Classification: Electroweak/Higgs Multiboson Measurements

Contribution ID: **19**

Type: **not specified**

Automatic matching tools

Wednesday, August 30, 2023 9:00 AM (30 minutes)

Presenters: PAGES, Julie; PAGÈS, Julie (University of California, San Diego)

Session Classification: Effective Field Theory

Contribution ID: 20

Type: **not specified**

Interference resurrection in VBF dilepton production

Wednesday, August 30, 2023 11:00 AM (30 minutes)

Presenter: SON, Minho

Session Classification: Effective Field Theory

Contribution ID: 21

Type: **not specified**

Multiboson final states with Higgs bosons in ATLAS and CMS

Wednesday, August 30, 2023 11:45 AM (30 minutes)

Presenter: SARICA, Ulascan (Univ. of California Santa Barbara (US))

Session Classification: Electroweak/Higgs Multiboson Measurements

Contribution ID: 22

Type: **not specified**

Jet Substructure, Taggers, and Machine Learning

Thursday, August 31, 2023 1:30 PM (30 minutes)

Presenter: WHITESON, Daniel (University of California Irvine (US))

Session Classification: Jets and Machine Learning

Contribution ID: 23

Type: **not specified**

Multi-boson Production Sensitivity to Dimension-6 EFT Operators at the LHC

Thursday, August 31, 2023 2:15 PM (30 minutes)

Presenter: VAGNERINI, Antonio (University of Nebraska-Lincoln)

Session Classification: Effective Field Theory