

# **Multi-Boson Interactions Workshop at the University of Michigan**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction

*Tuesday, August 28, 2018 9:00 AM (10 minutes)*

**Presenters:** PIERCE, Aaron (University of Michigan); ZHU, Junjie (University of Michigan (US))

Contribution ID: 2

Type: **not specified**

## **Status of NLO/NNLO QCD calculations for multi-boson processes**

*Tuesday, August 28, 2018 9:10 AM (45 minutes)*

**Presenter:** BOUGHEZAL, Radja (Argonne National Laboratory)

Contribution ID: 3

Type: **not specified**

## **Electroweak corrections in VBS and multi-boson and VBScan MC comparison**

*Tuesday, August 28, 2018 9:55 AM (45 minutes)*

**Presenter:** ZARO, Marco (Nikhef National institute for subatomic physics (NL))

Contribution ID: 4

Type: **not specified**

## **Results for charged diboson channels (including aTGCs)**

*Tuesday, August 28, 2018 11:10 AM (45 minutes)*

**Presenter:** BHATTACHARYA, Saptaparna (Northwestern University (US))

Contribution ID: 5

Type: **not specified**

## Coffee break

*Tuesday, August 28, 2018 10:40 AM (30 minutes)*

Contribution ID: 6

Type: **not specified**

## **Results for neutral diboson channels (including aTGCs)**

*Tuesday, August 28, 2018 2:00 PM (45 minutes)*

**Presenter:** LI, Bing (University of Michigan (US))

Contribution ID: 7

Type: **not specified**

## **EFT in di(multi-)bosons**

*Tuesday, August 28, 2018 3:45 PM (45 minutes)*

**Presenter:** WULZER, Andrea (CERN)



Contribution ID: **8**

Type: **not specified**

## **Status of Sherpa event generator**

*Tuesday, August 28, 2018 4:30 PM (25 minutes)*

**Presenter:** HOECHE, Stefan (SLAC)

Contribution ID: 9

Type: **not specified**

## Coffee break

*Tuesday, August 28, 2018 3:15 PM (30 minutes)*

Contribution ID: **10**

Type: **not specified**

## **Status of MadGraph5 event generator**

*Wednesday, August 29, 2018 5:50 PM (25 minutes)*

**Presenter:** Dr SHIVAJI, Ambresh (UCL, Louvain-la-Neuve)

Contribution ID: 11

Type: **not specified**

## Status of WHIZARD event generator

*Tuesday, August 28, 2018 4:55 PM (25 minutes)*

**Presenter:** REUTER, Jürgen (DESY Hamburg, Germany)

Contribution ID: 12

Type: **not specified**

## **Precision measurement with diboson at the LHC**

*Tuesday, August 28, 2018 2:45 PM (30 minutes)*

**Presenter:** LIU, Da (Argonne National Laboratory)

Contribution ID: 13

Type: **not specified**

## **Dimensional-8 operators, EFT validity and unitarization**

*Wednesday, August 29, 2018 9:00 AM (45 minutes)*

**Presenter:** REUTER, Jürgen (DESY Hamburg, Germany)

Contribution ID: 14

Type: **not specified**

## **Results on VBS-VV production for charged diboson channels (including aQGCs)**

*Wednesday, August 29, 2018 11:00 AM (45 minutes)*

**Presenter:** YATSENKO, Elena (Shanghai Jiao Tong University (CN) & Tsung-Dao Lee Institute (CN))

Contribution ID: 15

Type: **not specified**

## Coffee break

*Wednesday, August 29, 2018 10:30 AM (30 minutes)*



Contribution ID: 16

Type: **not specified**

## **Results on VBS-VV production for neutral diboson channels (including aQGCs)**

*Wednesday, August 29, 2018 11:45 AM (45 minutes)*

**Presenter:** LONG, Kenneth (University of Wisconsin Madison (US))

Contribution ID: 17

Type: **not specified**

## **Results on triboson proudction (including aQGCs)**

*Wednesday, August 29, 2018 9:45 AM (45 minutes)*

**Presenter:** LI, Shu (Tsung-Dao Lee Institute (CN) & Shanghai Jiao Tong Univ. (CN))

Contribution ID: **18**

Type: **not specified**

## **Generalized tri-boson signals from a warped extra dimension**

*Wednesday, August 29, 2018 2:00 PM (45 minutes)*

**Presenter:** AGASHE, Kaustubh (University of Maryland)

Contribution ID: 19

Type: **not specified**

## **BSM relevant for multi-boson physics**

*Wednesday, August 29, 2018 2:45 PM (45 minutes)*

**Presenter:** LEWIS, Ian (The University of Kansas)

Contribution ID: **20**

Type: **not specified**

## **Coffee break**

*Wednesday, August 29, 2018 3:30 PM (30 minutes)*

Contribution ID: 21

Type: **not specified**

## **Search for aQGCs in combinations of multi-boson interactions**

*Wednesday, August 29, 2018 4:00 PM (20 minutes)*

**Presenter:** METCALFE, Jessica (Argonne National Laboratory (US))

Contribution ID: 22

Type: **not specified**

## **New physics results (non-boosted signatures) from the LHC**

*Wednesday, August 29, 2018 4:20 PM (45 minutes)*

**Presenter:** NOBE, Takuya (University of Tokyo (JP))

Contribution ID: 23

Type: **not specified**

## **New physics results (boosted signatures) from the LHC**

*Wednesday, August 29, 2018 5:05 PM (45 minutes)*

**Presenter:** DAMGOV, Jordan (Texas Tech University (US))



Contribution ID: 24

Type: **not specified**

## Connection to Higgs EFT

*Thursday, August 30, 2018 9:00 AM (45 minutes)*

**Presenter:** GONÇALVES, Dorival (University of Pittsburgh)

Contribution ID: 25

Type: **not specified**

## **Results on VBF-V and VBF-H production (including aTGCs) from the LHC**

*Thursday, August 30, 2018 9:45 AM (45 minutes)*

**Presenter:** LAMMERS, Sabine Wedam (Indiana University (US))

Contribution ID: 26

Type: **not specified**

## Coffee break

*Thursday, August 30, 2018 10:30 AM (30 minutes)*

Contribution ID: 27

Type: **not specified**

## **Results on VH and HH production (including aTGCs) from the LHC**

*Thursday, August 30, 2018 11:00 AM (45 minutes)*

**Presenter:** KROHN, Michael David (University of Minnesota (US))

Contribution ID: 28

Type: **not specified**

## **H->VV differential measurement**

*Thursday, August 30, 2018 11:45 AM (45 minutes)*

**Presenter:** YANG, Haijun (Shanghai Jiao Tong University (CN))

Contribution ID: 29

Type: **not specified**

## Future colliders

*Thursday, August 30, 2018 2:45 PM (45 minutes)*

**Presenter:** ROLOFF, Philipp (CERN)

Contribution ID: **30**

Type: **not specified**

## **Prospects for multi-boson physics at future colliders**

*Thursday, August 30, 2018 2:00 PM (45 minutes)*

**Presenter:** HAN, Tao (University of Pittsburgh)

Contribution ID: **31**

Type: **not specified**

## Conference summary

*Thursday, August 30, 2018 3:50 PM (45 minutes)*

**Presenter:** CHIVUKULA, R. Sekhar (Michigan State University)



Contribution ID: **32**

Type: **not specified**

## **Coffee break**

*Thursday, August 30, 2018 3:30 PM (20 minutes)*

Contribution ID: **33**

Type: **not specified**

## **Welcome reception (337 West Hall)**

*Tuesday, August 28, 2018 6:00 PM (2 hours)*

Contribution ID: 34

Type: **not specified**

## **Precision measurement with Di-boson at the LHC**

**Presenter:** Dr LIU, Da (Argonne National Laboratory)

Contribution ID: 35

Type: **not specified**

## **Workshop dinner (341 S Main St, Ann Arbor)**

*Wednesday, August 29, 2018 7:00 PM (2 hours)*

Real Seafood Company at Ann Arbor:  
341 S Main St, Ann Arbor, MI 48104