

Effective Field Theory in Multiboson Production

Report of Contributions

Contribution ID: 1

Type: **not specified**

From the UV model to the EFT in multi boson production

Monday 10 June 2024 16:30 (1 hour)

Discussion session

Presenters: ROSSIA, Alejo Nahuel (University of Manchester); NO, Jose Miguel (IFT-UAM/CSIC); NO REDONDO, Jose Miguel (Conseil European Recherche Nucl. (CERN)-Unknown-Unknown)

Session Classification: Discussions

Contribution ID: 2

Type: **not specified**

Experimental Results in EFT in Multiboson Production

Monday 10 June 2024 17:30 (1 hour)

Discussion session

Presenters: MANJARRES, Joany (Laboratoire des 2 Infinis - Toulouse, CNRS / Univ. Paul Sabatier (FR)); PRESILLA, Matteo (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Discussions

Contribution ID: 3

Type: **not specified**

Introduction

Monday 10 June 2024 09:15 (15 minutes)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Effective Field Theory in Multiboson Production: Overview

Monday 10 June 2024 09:30 (30 minutes)

Presenter: VRYONIDOU, Eleni (University of Manchester (GB))

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

SMEFT parameterisation for single Higgs production

Monday 10 June 2024 10:00 (30 minutes)

Presenter: CUETO GOMEZ, Ana Rosario (Universidad Autonoma de Madrid (ES))

Session Classification: Session 1

Contribution ID: 6

Type: **not specified**

TBA

Presenter: ENGLERT, Christoph

Session Classification: Session 1

Contribution ID: 7

Type: **not specified**

SMEFT at NNLO+PS: Vh production

Monday 10 June 2024 11:00 (30 minutes)

Presenter: SCHNELL, Luc (Max Planck Institute for Physics)

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

Di-Higgs production in HEFT and SMEFT

Monday 10 June 2024 11:30 (30 minutes)

Presenter: HEINRICH, Gudrun (KIT)

Session Classification: Session 2

Contribution ID: 9

Type: **not specified**

Exploring HH and HHH production at colliders within the Bosonic HEFT

Monday 10 June 2024 12:00 (30 minutes)

Presenter: HERRERO SOLANS, Maria Jose (Universidad Autonoma de Madrid (ES))

Session Classification: Session 2

Contribution ID: **10**

Type: **not specified**

UV models for modified triple gauge couplings

Monday 10 June 2024 14:30 (30 minutes)

Presenter: ESSER, Fabian

Session Classification: Session 3

Contribution ID: 11

Type: **not specified**

Tri-boson production in Effective Field Theory

Monday 10 June 2024 15:00 (30 minutes)

Presenter: TARRICONE, Cristiano (Universita e INFN Torino (IT))

Session Classification: Session 3

Contribution ID: 12

Type: **not specified**

EFT interpretations in Multiboson Production

Monday 10 June 2024 15:30 (30 minutes)

Presenters: COVARELLI, Roberto (University/INFN Torino (IT)); COVARELLI, Roberto

Session Classification: Session 3

Contribution ID: 13

Type: **not specified**

SMEFT vs. HEFT

Tuesday 11 June 2024 09:15 (30 minutes)

Presenter: SUTHERLAND, David

Session Classification: Session 4

Contribution ID: 14

Type: **not specified**

Multi-Higgs production to distinguish HEFT from SMEFT

Tuesday 11 June 2024 09:45 (30 minutes)

Presenter: Dr SALAS-BERNÁRDEZ, Alexandre (Universidad Complutense de Madrid)

Session Classification: Session 4

Contribution ID: 15

Type: **not specified**

CP-violation in Diboson Production

Tuesday 11 June 2024 10:15 (30 minutes)

Presenter: DEGRANDE, Celine Catherine A

Session Classification: Session 4

Contribution ID: 16

Type: **not specified**

Effective Field Theory in COMETA: where do we want to go from here?

Tuesday 11 June 2024 11:15 (1h 30m)

Co-authors: PELLICCIOLI, Giovanni (Max-Planck-Institut für Physik); GROEBER, Ramona (Università di Padova and INFN, Sezione di Padova)

Presenters: PELLICCIOLI, Giovanni (Max-Planck-Institut für Physik); BRIVIO, Ilaria (University & INFN Bologna); GROEBER, Ramona (Università di Padova and INFN, Sezione di Padova)

Session Classification: Discussions 2

Contribution ID: 17

Type: **not specified**

Dim-8 operators in HH production

Tuesday 11 June 2024 14:00 (30 minutes)

Presenter: RYCKOWSKI, Michal

Session Classification: Session 5

Contribution ID: **18**

Type: **not specified**

Dim-8 operators in SMEFT

Tuesday 11 June 2024 14:30 (30 minutes)

Presenter: MIMASU, Ken (University of Southampton)

Session Classification: Session 5

Contribution ID: 19

Type: **not specified**

Quantum Entanglement in Diboson Production

Tuesday 11 June 2024 15:00 (30 minutes)

Presenter: GABRIELLI, Emidio

Session Classification: Session 5

Contribution ID: **20**

Type: **not specified**

TBA

Monday 10 June 2024 14:00 (30 minutes)

Presenter: ENGLERT, Christoph

Session Classification: Session 3