

**MCnet Summer School 2023**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Monte Carlo Event Generators – Introduction**

*Monday, July 10, 2023 3:00 PM (3 hours)*

**Presenter:** GUTSCHOW, Christian (UCL)

**Session Classification:** Tutorials

Contribution ID: 2

Type: **not specified**

## **Madgraph / Rivet / Contur Tutorial**

*Tuesday, July 11, 2023 2:00 PM (4 hours)*

**Presenter:** MATTELAER, Olivier (IPPP)

**Session Classification:** Tutorials

Contribution ID: 3

Type: **not specified**

## **Student Presentations**

**Session Classification:** Tutorials

Contribution ID: 4

Type: **not specified**

## **Rivet / Contur Tutorial**

**Presenter:** GUTSCHOW, Christian (UCL)

**Session Classification:** Tutorials

Contribution ID: 5

Type: **not specified**

# Introduction to Event Generators 1

*Monday, July 10, 2023 9:00 AM (1 hour)*

**Presenter:** GIESEKE, Stefan (Institut f Theoretische Physik, Univ. Karlsruhe)

**Session Classification:** Lectures

Contribution ID: 6

Type: **not specified**

## **Model-independent Measurements**

*Monday, July 10, 2023 11:30 AM (1 hour)*

**Presenter:** BUTTERWORTH, Jonathan (UCL)

**Session Classification:** Lectures

Contribution ID: 7

Type: **not specified**

## **Introduction to Event Generators 2**

*Monday, July 10, 2023 10:20 AM (1 hour)*

**Presenter:** GIESEKE, Stefan (Institut f Theoretische Physik, Univ. Karlsruhe)

**Session Classification:** Lectures



Contribution ID: 8

Type: **not specified**

## Quantum Computing

*Monday, July 10, 2023 2:00 PM (1 hour)*

**Presenter:** PRESTEL, Stefan

**Session Classification:** Lectures

Contribution ID: 9

Type: **not specified**

## **Introduction to Event Generators 3**

*Tuesday, July 11, 2023 9:00 AM (1 hour)*

**Presenter:** GIESEKE, Stefan (Institut f Theoretische Physik, Univ. Karlsruhe)

**Session Classification:** Lectures

Contribution ID: **10**

Type: **not specified**

# **Matching, Merging, and Higher-Order Corrections 1**

*Tuesday, July 11, 2023 10:20 AM (1 hour)*

**Presenter:** GELLERSEN, Leif (Lund University)

**Session Classification:** Lectures

Contribution ID: 11

Type: **not specified**

## **Student Presentation of MW Challenge Results**

*Tuesday, July 11, 2023 11:30 AM (1 hour)*

**Session Classification:** Lectures

Contribution ID: 12

Type: **not specified**

## Computing on Modern Architectures

**Presenter:** BOTHMANN, Enrico

**Session Classification:** Lectures

Contribution ID: 13

Type: **not specified**

## **Introduction to Event Generators 4**

*Wednesday, July 12, 2023 9:00 AM (1 hour)*

**Presenter:** GIESEKE, Stefan (Institut f Theoretische Physik, Univ. Karlsruhe)

**Session Classification:** Lectures

Contribution ID: 14

Type: **not specified**

## **Matching, Merging, and Higher-Order Corrections 2**

*Wednesday, July 12, 2023 10:20 AM (1 hour)*

**Presenter:** GELLERSEN, Leif

**Session Classification:** Lectures

Contribution ID: 15

Type: **not specified**

## **Aspects of the EW Standard Model**

*Wednesday, July 12, 2023 11:30 AM (1 hour)*

**Presenter:** LINDERT, Jonas (IPPP)

**Session Classification:** Lectures



Contribution ID: 16

Type: **not specified**

## **Monte Carlo Event Generators and Machine Learning**

*Thursday, July 13, 2023 9:00 AM (1 hour)*

**Presenter:** WINTERHALTER, Ramon

**Session Classification:** Lectures

Contribution ID: 17

Type: **not specified**

## **Event Generators for Heavy Ion Collisions**

*Thursday, July 13, 2023 10:20 AM (1 hour)*

**Presenter:** BIERLICH, Christian (Lund University)

**Session Classification:** Lectures

Contribution ID: 18

Type: **not specified**

## **Industry Talk – From Particle Physics to Data Engineering and Analysis**

*Thursday, July 13, 2023 11:30 AM (55 minutes)*

**Presenter:** THOMPSON, Jennifer

**Session Classification:** Lectures

Contribution ID: 19

Type: **not specified**

## Computing on Modern Architectures

*Wednesday, July 12, 2023 2:00 PM (1 hour)*

**Presenter:** BOTHMANN, Enrico

**Session Classification:** Lectures

Contribution ID: 20

Type: **not specified**

## **GPU Programming**

*Wednesday, July 12, 2023 3:00 PM (3 hours)*

**Presenter:** BOTHMANN, Enrico

**Session Classification:** Tutorials

Contribution ID: 21

Type: **not specified**

## Welcome

*Monday, July 10, 2023 8:55 AM (5 minutes)*

**Presenter:** SCHOENHERR, Marek (IPPP Durham)

**Session Classification:** Lectures

Contribution ID: 22

Type: **not specified**

## Farewell

*Thursday, July 13, 2023 12:25 PM (5 minutes)*

**Presenter:** SCHOENHERR, Marek (IPPP Durham)

**Session Classification:** Lectures