

**PYTHIA collaboration  
meeting 2020, Lund**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Update from collaborators

*Monday 20 April 2020 11:45 (45 minutes)*

**Presenters:** PREUSS, Christian (Monash University); GELLERSEN, Leif (Lund University)

Contribution ID: 2

Type: **not specified**

## Update from collaborators

*Tuesday 21 April 2020 11:45 (45 minutes)*

**Presenter:** VERHEYEN, Rob

Contribution ID: 4

Type: **not specified**

## Science coffee

*Thursday 23 April 2020 15:15 (45 minutes)*

Contribution ID: 5

Type: **not specified**

## Update from collaborators

*Wednesday 22 April 2020 11:45 (45 minutes)*

**Presenters:** UTHEIM, Marius (Lund University); ILTEN, Philip (University of Birmingham (GB))

Contribution ID: 6

Type: **not specified**

## Update from collaborators

*Thursday 23 April 2020 11:45 (45 minutes)*

**Presenters:** Dr HELENIUS, Ilkka (University of Jyväskylä); PRESTEL, Stefan

Contribution ID: 7

Type: **not specified**

## HDF5

*Tuesday 21 April 2020 09:30 (15 minutes)*

Discussion and overview of HDF5 integration and use with Pythia.

**Presenter:** PRESTEL, Stefan

**Session Classification:** Plenary meeting

Contribution ID: 8

Type: **not specified**

## Weights

*Tuesday 21 April 2020 09:45 (15 minutes)*

Overview of the current status of event weights and discussion of future plans.

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

**Session Classification:** Plenary meeting



Contribution ID: 9

Type: **not specified**

## Madgraph

*Tuesday 21 April 2020 10:00 (15 minutes)*

Overview and discussion of integrating MG5 matrix elements with parton showers.

**Presenter:** PREUSS, Christian (Monash University)

**Session Classification:** Plenary meeting

Contribution ID: **10**

Type: **not specified**

## C++11 Usage

*Tuesday 21 April 2020 10:30 (15 minutes)*

A short overview and discussion of how C++11 usage is working and whether we want to make changes in recommendations.

**Presenter:** UTHIEM, Marius

**Session Classification:** Plenary meeting

Contribution ID: **11**

Type: **not specified**

## Code Review

*Tuesday 21 April 2020 10:15 (15 minutes)*

Discussion on how we want to conduct code reviews, e.g. various styles etc.

**Presenter:** ILTEN, Philip (University of Birmingham (GB))

**Session Classification:** Plenary meeting

Contribution ID: 12

Type: **not specified**

## Big Issue Introduction

*Tuesday 21 April 2020 10:45 (15 minutes)*

**Presenter:** ILTEN, Philip (University of Birmingham (GB))

**Session Classification:** Plenary meeting

Contribution ID: **13**

Type: **not specified**

## Website and Hosting

*Thursday 23 April 2020 10:00 (30 minutes)*

Overview of current website and repository hosting and discussion about how we want to handle this in the future.

**Presenter:** SJOSTRAND, Torbjorn

**Session Classification:** Plenary meeting

Contribution ID: 14

Type: **not specified**

## Code Analysis and Staging

*Thursday 23 April 2020 10:30 (30 minutes)*

This discussion will include continuous integration and regression testing, Docker images, and static code analysis.

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

**Session Classification:** Plenary meeting

Contribution ID: 15

Type: **not specified**

## Messaging

*Thursday 23 April 2020 09:30 (30 minutes)*

Discussion on how we want to unify a somewhat fractured messaging scheme in Pythia.

**Presenter:** SKANDS, Peter (Monash University (AU))

**Session Classification:** Plenary meeting

Contribution ID: **16**

Type: **not specified**

## Outline of the manuscript

*Monday 20 April 2020 10:30 (1 hour)*

**Session Classification:** Plenary meeting