

**GSoC 2021 End of Program  
Meeting: Students  
Presentations**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction

*Thursday, 26 August 2021 16:00 (5 minutes)*

Short introduction for the student lightning reports session

**Presenter:** GHEATA, Andrei (CERN)

Contribution ID: 2

Type: **not specified**

## Enhancing the Plotting Functionality in MCnet/Rivet

*Thursday, 26 August 2021 16:05 (4 minutes)*

**Presenter:** THOR, Simon

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 3

Type: **not specified**

## Add Support for differentiating functor objects in Clad

*Thursday, 26 August 2021 16:09 (4 minutes)*

**Presenter:** ARORA, Parth

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 4

Type: **not specified**

## Runtime plugin ecosystem support for OCIS

*Thursday, 26 August 2021 16:13 (4 minutes)*

**Presenter:** DESAI, Jimil

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 5

Type: **not specified**

## Utilize second order derivatives from Clad in ROOT

*Thursday, 26 August 2021 16:17 (4 minutes)*

**Presenter:** KUNDU, Baidyanath

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 6

Type: **not specified**

## **RooUnfold: Efficient deconvolution using state of the art algorithms**

*Thursday, 26 August 2021 16:21 (4 minutes)*

**Presenter:** ARCHIT AGRAWAL

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 7

Type: **not specified**

## Add Numerical Differentiation Support in Clad

*Thursday, 26 August 2021 16:25 (4 minutes)*

**Presenter:** GARIMA SINGH

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports



Contribution ID: 8

Type: **not specified**

## Root Storage of Deep Learning Models in TMVA

*Thursday, 26 August 2021 16:29 (4 minutes)*

**Presenter:** SANJIBAN SENGUPTA

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: **10**

Type: **not specified**

## **Portability for the Patatrack With Alpaka**

*Thursday, 26 August 2021 16:33 (4 minutes)*

**Presenter:** ANTONIO PETRE

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: **11**

Type: **not specified**

## **Rucio and CS3APIs**

*Thursday, 26 August 2021 16:37 (4 minutes)*

**Presenter:** RAHUL CHAUHAN

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 12

Type: **not specified**

## OpenForBC-Benchmark rationale

*Thursday, 26 August 2021 16:41 (4 minutes)*

**Presenter:** ANEESH CHAWLA

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 13

Type: **not specified**

## Deep autoencoders for ATLAS data compression

*Thursday, 26 August 2021 16:45 (4 minutes)*

**Presenters:** GEKOW, Alex (Ohio State University (US)); DOGLIONI, Caterina (Lund University (SE)); DIALEKTAKIS, George

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 14

Type: **not specified**

## **HFLAV: Add support for in-browser interactive averaging of physics results**

*Thursday, 26 August 2021 16:49 (4 minutes)*

**Presenter:** GUPTA, Harsh Prakash

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 15

Type: **not specified**

## **TMVA Deep Learning Developments - Inference Code Generation for Batch Normalization**

*Thursday, 26 August 2021 16:53 (4 minutes)*

**Presenter:** SAXENA, Aaradhya

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 16

Type: **not specified**

# Inference Code Generation for Recurrent Neural Networks

*Thursday, 26 August 2021 16:57 (4 minutes)*

**Presenter:** HAMDAN, Ahmat

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports



Contribution ID: 17

Type: **not specified**

## CVMFS Preload capability

*Thursday, 26 August 2021 17:01 (4 minutes)*

**Presenter:** TOPI, Rohit

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: **18**

Type: **not specified**

## Implementing Faddeeva Function

*Thursday, 26 August 2021 17:05 (4 minutes)*

**Presenter:** VERMA, Aman

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports

Contribution ID: 19

Type: **not specified**

## **GraphNet: A GUI network visualization app for the LHCb DAQ Event Builder Network**

*Thursday, 26 August 2021 17:09 (4 minutes)*

**Presenter:** AKELLA, Anurag

**Session Classification:** CERN-HSF GSoC 2021 student lightning reports