SMARTHEP Yearly Meeting 2023 at Lund University

Report of Contributions

Contribution ID: **1** Type: **not specified**

ESR1: Machine learning and Real-Time Analysis for Higgs boson measurements and fleet safety

Monday 27 November 2023 14:00 (15 minutes)

Presenters: KIRSCHENMANN, Henning (Helsinki Institute of Physics (FI)); INKAEW, Patin (Helsinki Institute of Physics (FI))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **2** Type: **not specified**

ESR2: Real-time rule induction in fraud detection and HEP

Monday 27 November 2023 14:20 (15 minutes)

Presenters: MALAESCU, Bogdan (LPNHE-Paris CNRS/IN2P3 (FR)); BOGGIA, Laura (Centre National de la Recherche Scientifique (FR))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **3**   Type: **not specified**

ESR3: Real time analysis strategies for reconstruction, exotic physics, and market analysis

Monday 27 November 2023 14:40 (15 minutes)

Presenters: SFYRLA, Anna (Universite de Geneve (CH)); BOZIANU, Leon (Universite de Geneve (CH))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 4　　　　　　　　　　　　　　　　　　Type: **not specified**

ESR4: Efficient RTA in ATLAS and finance using multithreading

Monday 27 November 2023 15:30 (15 minutes)

Presenters: PETERSEN, Brian (CERN); CELLA, Sofia (CERN)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **5**   Type: **not specified**

ESR5: RTA on heterogeneous architectures for LHC and self-driving cars

Monday 27 November 2023 15:50 (15 minutes)

Presenters: GIASEMIS, Fotis (Centre National de la Recherche Scientifique (FR)); GLIGOROV, Vladimir (Centre National de la Recherche Scientifique (FR))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **6** Type: **not specified**

ESR6: Optimization of RTA resources for LHCb Lepton Flavour Violation search and manufacturing

Monday 27 November 2023 16:10 (15 minutes)

Presenters: MAGDALINSKI, Daniel (Nikhef); RAVEN, Gerhard (Natuurkundig Laboratorium-Vrije Universiteit (VU)-Unknown)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 7 Type: **not specified**

ESR7: Machine Learning for Real Time Analysis of Lepton Flavour Violation in neutral meson decays and traffic predictions

Tuesday 28 November 2023 09:00 (15 minutes)

Presenters: Mr GOODING, Jamie (Technische Universitaet Dortmund (DE)); ALBRECHT, Johannes (Technische Universitaet Dortmund (DE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **8** Type: **not specified**

ESR8: Real Time Analysis for global event triggering in LHCb and manufacturing

Tuesday 28 November 2023 09:20 (15 minutes)

Presenters: ALBRECHT, Johannes (Technische Universitaet Dortmund (DE)); OLOCCO, Micol (Technische Universitaet Dortmund (DE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 9 Type: **not specified**

ESR9: Real-time analysis for Dark Photons search in LHCb and smart vehicles

Tuesday 28 November 2023 09:40 (15 minutes)

Presenters: COCHA TOAPAXI, Carlos Eduardo (Ruprecht Karls Universitaet Heidelberg); BOR-SATO, Martino (Universita & INFN, Milano-Bicocca (IT)); HANSMANN-MENZEMER, Stephanie (Heidelberg University (DE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **10** Type: **not specified**

ESR10: Real-time calibration of ALICE Time Projection Chamber and ML traffic predictions

Monday 27 November 2023 16:30 (15 minutes)

Presenters: OHLSON, Alice (Lund University (SE)); HANSEN, Joachim (Lund University (SE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **11** Type: **not specified**

ESR11: Real-Time Analysis through computer vision on dashcams and triggers in High Energy Physics, Verizon Connect in Florence and University of Bologna

Tuesday 28 November 2023 10:00 (15 minutes)

Presenters: SAMBO, Francesco; PINEIRO DE MONTEAGUDO, Henrique (Verizon Connect and UniBo); PIÑEIRO MONTEAGUDO, Henrique; SALTI, Samuele (University of Bologna)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **12** Type: **not specified**

ESR12: Accelerated anomaly detection

Tuesday 28 November 2023 10:20 (15 minutes)

Presenters: DOGLIONI, Caterina (University of Manchester (GB)); MASIK, Jiri (University of Manchester (GB)); JAWAHAR, Pratik (University of Manchester (UK - ATLAS))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **13**
Type: **not specified**

Introduction from the coordinator

Presenter: DOGLIONI, Caterina (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 14 Type: **not specified**

Logistics

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **15**　　　　　　　　　　　　　　Type: **not specified**

Network assembly: intro and voting matters

Wednesday 29 November 2023 09:00 (15 minutes)

Discussion of status / planning of the network

In this network assembly we will vote on:
- budget redistribution to Lund for current network event

Presenter: DOGLIONI, Caterina (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 16   Type: **not specified**

Discussion of data management plan [Niels Bohr Common Room]

Presenter: DOGLIONI, Caterina (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **17** Type: **not specified**

Individual consultations with the Ethics Officer [Schuster 6.52]

In this session, the Ethics Officer will meet the ESRs that are using non-particle-physics data for their project or secondment, and discuss any issues relative to ML Ethics. In particular, the supervisor and the student will:

- explain to the ethics officer how the data recorded is relevant and limited to the purposes of the research project (in accordance with the 'data minimisation 'principle) [this is part of a SMARTHEP deliverable on the EU portal]

- explain to the ethics officer how the data recorded is relevant and limited to the purposes of the research project (in accordance with the 'data minimisation 'principle) [this is part of a SMARTHEP deliverable on the EU portal]

- describe the technical and organisational measures that will be implemented to safeguard the rights and freedoms of the data subjects/research participants [this is a [this is part of a SMARTHEP deliverable on the EU portal]

- if previous data is processed, the supervisor should confirm explicitly that the beneficiary has lawful basis for the data processing and that the appropriate technical and organisational measures are in place to safeguard the rights of the data subjects [this is part of a SMARTHEP deliverable on the EU portal]

- discuss the ethics risks related to the data processing activities of the project, including GDPR [this is part of a SMARTHEP deliverable on the EU portal]

Additionally, detailed information on the informed consent procedures in regard to data processing must be kept on file (to be specified in the grant agreement).

9-9:30: Verizon Connect [Francesco, Leonardo and Henrique]
9:30-10: IBM [Christian and Laura]
10-10:30 Ximantis [for secondments, no students]

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **18**   Type: **not specified**

Open discussion between ESRs, supervisors and advisory board

Wednesday 29 November 2023 10:00 (15 minutes)

In this open discussion we will have time to bring up topics from the ESR assembly, or general ideas / concerns about how the network is running at its mid-point.

Presenters: CAREY, Andrew (University of Manchester (GB)); DOGLIONI, Caterina (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **19**　　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Network composition matters

TBC

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **20**   Type: **not specified**

Planning for upcoming schools and deliverables

Wednesday 29 November 2023 09:15 (45 minutes)

Presenters: SFYRLA, Anna (Universite de Geneve (CH)); DOGLIONI, Caterina (University of Manchester (GB)); ALBRECHT, Johannes (Technische Universitaet Dortmund (DE)); PIERINI, Maurizio (CERN); SCHRAMM, Steven (Universite de Geneve (CH)); GLIGOROV, Vladimir (Centre National de la Recherche Scientifique (FR))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **21**   Type: **not specified**

Approval of Data Management Plan

Presenter: DOGLIONI, Caterina (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **22** Type: **not specified**

AOB

Wednesday 29 November 2023 10:15 (15 minutes)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **23** Type: **not specified**

ESR (self-)assembly and representation

Wednesday 29 November 2023 09:15 (45 minutes)

In this session, the ESRs will:

- choose a new member of the ESR cohort to vote in the Network Assembly representing the ESRs
- discuss any issues arising during the first year of network (including feedback to coordinator and supervisors)
- discuss how to vote in the network assembly

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 24 Type: **not specified**

Introduction

Presenters: DOGLIONI, Caterina (University of Manchester (GB)); PIERINI, Maurizio (CERN)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **25**   Type: **not specified**

The Institute for Data Science and Artificial Intelligence at the University of Manchester

Presenter: RATTRAY, Magnus (University of Manchester)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **26**   Type: **not specified**

Interdisciplinary data science and HEP at the University of Liverpool

Presenters: CARMIGNANI, Joseph (University of Liverpool (GB)); D'ONOFRIO, Monica (University of Liverpool (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **27**   Type: **not specified**

Real-time decision making Turing/IDSAI sandpit projects: data compression

Presenters: GALLEN, Axel (Uppsala University (SE)); Dr SKIDMORE, Nicole (University of Manchester); EKMAN, Per Alexander (Lund University (SE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 28 Type: **not specified**

ITN event with Manchester Physics Society [Niels Bohr Conference Room]

The event is intended as an information event for final year undergraduates on what we do in the network, and how to apply to ITNs. There will be a general introduction to the network and to ITNs in general by the Coordinator, and some of the ESRs will give brief verbal reports to the undergraduates. The last 30-45' will be Q&A and mingle.

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **29**   Type: **not specified**

Preparation for scientific writing courses [JBB theater]

In this session we will discuss the SMARTHEP whitepapers that we (supervisors + ESRs) will write in the first six months of the network, how we are going to use them as practice cases for the scientific report / whitepaper writing course on Thursday, and how we will coordinate the writing after the kick-off meeting.

Presenter: DOGLIONI, Caterina (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **30** Type: **not specified**

The HEP Software Foundation (talk+Q&A) [JBB theater]

The HEP Software Foundation facilitates cooperation and common efforts in High Energy Physics software and computing internationally. Its coordinators have written a letter for support of SMARTHEP when we applied to the MSCA ITN grant.

This talk will highlight the work that the HSF has done so far, and will point to places where HEP software is discussed as well as show how we can contribute from the SMARTHEP network.

Presenter: HEGNER, Benedikt (CERN)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **31** Type: **not specified**

SMARTHEP code of conduct

Presenters: DOGLIONI, Caterina (University of Manchester (GB)); VOUTILAINEN, Mikko (Helsinki Institute of Physics (FI))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **32**   Type: **not specified**

ML and ethics in HEP

Presenter: THAIS, Savannah Jennifer (Princeton University (US))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **33**

Type: **not specified**

Closing words

We will wrap up the kick-off meeting with a discussion on next steps on the whitepapers and a feedback session.

Presenter: DOGLIONI, Caterina (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **34** Type: **not specified**

Physics Society Coffee

A chance to have coffee and informal chats with other students in the Physics & Astronomy department.

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **35**   Type: **not specified**

Brief introductions from students affiliated to the network but not MSCA-funded

- Maximilian Amerl (University of Manchester)
- Danielle WIlson-Edwards (University of Manchester)
- Kaare Iverson (Lund University)

Presenters: WILSON-EDWARDS, Danielle Joan (University of Manchester (GB)); IVERSEN, Kaare Endrup (Lund University (SE)); AMERL, Maximilian (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **36**   Type: **not specified**

Real-time decision making Turing/IDSAI sandpit projects: supporting clinical decision-making

Presenter: CANT, Harriet (University of Manchester)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 37   Type: **not specified**

Real-time decision making Turing/IDSAI sandpit projects:real-time decisions for power substations

Presenter: JIN, Hujun (University of Manchester)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **38**   Type: **not specified**

Real-time decision making Turing/IDSAI sandpit: ML for financial decision-making

Presenter: RAHIMIKIA, Eghbal (University of Manchester)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **39**

Type: **not specified**

Social Event/Excursion: TBD

Contribution ID: 40 Type: **not specified**

Danielle Wilson-Edwards, University of Manchester

Monday 27 November 2023 17:33 (7 minutes)

Presenter: WILSON-EDWARDS, Danielle Joan (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 41

Type: **not specified**

Maximilian Amerl, University of Manchester

Monday 27 November 2023 17:13 (7 minutes)

Presenter: AMERL, Maximilian (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **42**
Type: **not specified**

Lara Calic, Lund University

Monday 27 November 2023 17:23 (7 minutes)

Presenter: CALIC, Lara (Lund University (SE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **43**
Type: **not specified**

Sten Astrand, Lund University

Monday 27 November 2023 17:43 (7 minutes)

Presenter: ASTRAND, Sten (Lund University)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 44 Type: **not specified**

Kaare Iversen, Lund University

Monday 27 November 2023 17:53 (7 minutes)

Presenter: IVERSEN, Kaare Endrup (Lund University (SE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 45 Type: **not specified**

The Baler scientific data compression Open Source project

Monday 27 November 2023 17:00 (10 minutes)

Author: EKMAN, Per Alexander (Lund University (SE))

Co-authors: GALLEN, Axel (Uppsala University (SE)); JAWAHAR, Pratik (University of Manchester (UK - ATLAS))

Presenters: GALLEN, Axel (Uppsala University (SE)); EKMAN, Per Alexander (Lund University (SE)); JAWAHAR, Pratik (University of Manchester (UK - ATLAS))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 46   Type: **not specified**

SMARTHEP introductions and progress, meeting logistics

Monday 27 November 2023 13:30 (30 minutes)

Presenters: OHLSON, Alice (Lund University (SE)); CAREY, Andrew (University of Manchester (GB)); DOGLIONI, Caterina (University of Manchester (GB)); SMIRNOVA, Oxana (Lund University (SE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 47 Type: **not specified**

Session for feedback to ESRs

Tuesday 28 November 2023 11:05 (1 hour)

In this session, we will go through all ESR presentations and other ESRs / PIs / advisory board members will give some constructive feedback on what stood out and what could be improved. Each ESR will receive about 5 minutes of feedback.

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **48**   Type: **not specified**

Q&A from ESRs

Tuesday 28 November 2023 12:05 (20 minutes)

ESRs will also be able to add their questions to sli.do beforehand at this link (https://app.sli.do/event/gLTDDxmQKMzbF9EGI can be anonymous) and we will go through them together with the questions in the room.

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **49** Type: **not specified**

Round table on status of whitepapers

Tuesday 28 November 2023 13:30 (20 minutes)

Presenters: DOGLIONI, Caterina (University of Manchester (GB)); GOODING, Jamie (Technische Universitaet Dortmund (DE)); ALBRECHT, Johannes (Technische Universitaet Dortmund (DE)); BORSATO, Martino (Universita & INFN, Milano-Bicocca (IT)); PIERINI, Maurizio (CERN); SAUTEREY, Nicolas; SCHRAMM, Steven (Universite de Geneve (CH)); GLIGOROV, Vladimir (Centre National de la Recherche Scientifique (FR))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **50**　　　　　　　　　　　　　　　　　　　　Type: **not specified**

Discussion on publication venues

Tuesday 28 November 2023 13:50 (20 minutes)

Presenter: DOGLIONI, Caterina (University of Manchester (GB))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **51**   Type: **not specified**

Co-writing / co-editing: whitepapers and whitepaper emails

Tuesday 28 November 2023 14:10 (20 minutes)

This session is there to make some collaborative progress together, pick a whitepaper to look at / work on to finalise the outstanding items for circulation to the collaborations and for public consumption.

There will also be a group of PIs (with Caterina) who will draft e-mails to the collaborations to make sure the scope is clear and it isn't trying to substitute any other collaboration efforts.

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **52** Type: **not specified**

Open discussion session (secondments and more)

Tuesday 28 November 2023 17:15 (1 hour)

In this slot, we will discuss secondments in small groups, connecting PIs with . Those who don't have a pressing secondment matter to discuss at this point can read the overall document that we will send to the Project Officer and cross-check all their details are correct.

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **53** Type: **not specified**

Time to edit common document(s) or get feedback

Wednesday 29 November 2023 16:30 (1 hour)

In this session, we will have time to edit together the common document from the network prior to submission to the EC.

Those are the action items as of 21/11/2023:

- WP6 (real-time analysis and discoveries) and the coordinator will work together to write a short contribution for this work package and plan future work;
- WP3 (training) will have time to go through the report on schools provided by the coordinator and Project Officer;
- the Ethics officer will have time to write the overall report;
- if other WP leaders (eg WP5, triggers) did not have time to write their part earlier they can use this time to do so.

The ESRs are also welcome to join, contribute to the editing and learn how a scientific report for a funder like the EU is written.

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **54**   Type: **not specified**

Data visualisation course

Presenters: MAGUIRE, Eamonn; Dr MAGUIRE, Eamonn

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **55**   Type: **not specified**

Presentation skills training

Thursday 30 November 2023 13:30 (1h 30m)

Presenter: OHLSON, Alice (Lund University (SE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 56
Type: **not specified**

Panel (TBC)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **57** Type: **not specified**

Data visualisation course - part 1

Thursday 30 November 2023 09:00 (1 hour)

Presenter: Dr MAGUIRE, Eamonn

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **58**   Type: **not specified**

Data visualisation training - part 2

Thursday 30 November 2023 11:00 (1 hour)

Presenter: Dr MAGUIRE, Eamonn

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **59**   Type: **not specified**

ESR1: Machine learning and Real-Time Analysis for Higgs boson measurements and fleet safety

Friday 1 December 2023 09:00 (15 minutes)

Presenters: KIRSCHENMANN, Henning (Helsinki Institute of Physics (FI)); INKAEW, Patin (Helsinki Institute of Physics (FI))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **60**   Type: **not specified**

ESR2: Real-time rule induction in fraud detection and HEP

Friday 1 December 2023 09:15 (15 minutes)

Presenters: MALAESCU, Bogdan (LPNHE-Paris CNRS/IN2P3 (FR)); BOGGIA, Laura (Centre National de la Recherche Scientifique (FR))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: 61   Type: **not specified**

ESR3: Real time analysis strategies for reconstruction, exotic physics, and market analysis

Friday 1 December 2023 09:30 (15 minutes)

Presenters: SFYRLA, Anna (Universite de Geneve (CH));   BOZIANU, Leon (Universite de Geneve (CH))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **62** Type: **not specified**

ESR4: Efficient RTA in ATLAS and finance using multithreading

Friday 1 December 2023 09:45 (15 minutes)

Presenters: PETERSEN, Brian (CERN); CELLA, Sofia (CERN)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **63**   Type: **not specified**

ESR5: RTA on heterogeneous architectures for LHC and self-driving cars

Friday 1 December 2023 10:00 (15 minutes)

Presenters: GIASEMIS, Fotis (Centre National de la Recherche Scientifique (FR));   GLIGOROV, Vladimir (Centre National de la Recherche Scientifique (FR))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **64**   Type: **not specified**

ESR6: Optimization of RTA resources for LHCb Lepton Flavour Violation search and manufacturing

Friday 1 December 2023 10:15 (15 minutes)

Presenters: MAGDALINSKI, Daniel (Nikhef); RAVEN, Gerhard (Natuurkundig Laboratorium-Vrije Universiteit (VU)-Unknown)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **65**   Type: **not specified**

ESR10: Real-time calibration of ALICE Time Projection Chamber and ML traffic predictions

Friday 1 December 2023 12:00 (15 minutes)

Presenters: OHLSON, Alice (Lund University (SE));   HANSEN, Joachim (Lund University (SE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **66**   Type: **not specified**

ESR7: Machine Learning for Real Time Analysis of Lepton Flavour Violation in neutral meson decays and traffic predictions

Friday 1 December 2023 11:15 (15 minutes)

Presenters: Mr GOODING, Jamie (Technische Universitaet Dortmund (DE)); ALBRECHT, Johannes (Technische Universitaet Dortmund (DE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **67**   Type: **not specified**

ESR8: Real Time Analysis for global event triggering in LHCb and manufacturing

Friday 1 December 2023 11:30 (15 minutes)

Presenters: ALBRECHT, Johannes (Technische Universitaet Dortmund (DE));   OLOCCO, Micol (Technische Universitaet Dortmund (DE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **68**
Type: **not specified**

ESR9: Real-time analysis for Dark Photons search in LHCb and smart vehicles

Friday 1 December 2023 11:45 (15 minutes)

Presenters: COCHA TOAPAXI, Carlos Eduardo (Ruprecht Karls Universitaet Heidelberg); BOR-SATO, Martino (Universita & INFN, Milano-Bicocca (IT)); HANSMANN-MENZEMER, Stephanie (Heidelberg University (DE))

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **69** Type: **not specified**

ESR11: Real-Time Analysis through computer vision on dashcams and triggers in High Energy Physics, Verizon Connect in Florence and University of Bologna

Friday 1 December 2023 12:15 (15 minutes)

Presenters: SAMBO, Francesco; PINEIRO DE MONTEAGUDO, Henrique (Verizon Connect and UniBo); PIÑEIRO MONTEAGUDO, Henrique; SALTI, Samuele (University of Bologna)

Session Classification: SMARTHEP Annual Meeting

Contribution ID: **70** Type: **not specified**

ESR12: Accelerated anomaly detection

Friday 1 December 2023 12:30 (15 minutes)

Presenters: DOGLIONI, Caterina (University of Manchester (GB)); MASIK, Jiri (University of Manchester (GB)); JAWAHAR, Pratik (University of Manchester (UK - ATLAS))

Session Classification: SMARTHEP Annual Meeting