

20th Annual RDMS CMS Collaboration Conference

Report of Contributions

Contribution ID: 1

Type: **not specified**

CMS Experiment Status

Wednesday 12 September 2018 09:30 (30 minutes)

Presenter: BORRAS, Kerstin (DESY / RWTH Aachen University)

Session Classification: Physics Results

Contribution ID: 2

Type: **not specified**

Recent CMS Highlights and Prospects

Wednesday 12 September 2018 10:30 (30 minutes)

Presenter: RAHATLOU, Shahram (Sapienza Universita e INFN, Roma I (IT))

Session Classification: Physics Results

Contribution ID: 3

Type: **not specified**

Measuring Higgs properties at LHC and beyond

Wednesday 12 September 2018 10:00 (30 minutes)

Presenter: TONELLI, Guido (Universita degli Studi di Pisa-INFN, Sezione di Pisa-Unknown)

Session Classification: Physics Results

Contribution ID: 4

Type: **not specified**

Search for a narrow $\mu^+\mu^-$ state produced in association with b-quark

Wednesday 12 September 2018 11:30 (20 minutes)

Presenter: GAVRILOV, Vladimir (Institute for Theoretical and Experimental Physics (RU))

Session Classification: Physics Results

Contribution ID: 5

Type: **not specified**

B Physics Parking Program in CMS

Wednesday 12 September 2018 11:50 (30 minutes)

Presenter: LANDSBERG, Greg (Brown University (US))

Session Classification: Physics Results

Contribution ID: 6

Type: **not specified**

Search for a new physics with the CMS detector at the LHC

Wednesday 12 September 2018 12:20 (30 minutes)

Presenter: SAVINA, Mariia (Joint Institute for Nuclear Research (RU))

Session Classification: Physics Results

Contribution ID: 7

Type: **not specified**

Top Quark Physics

Wednesday 12 September 2018 16:30 (30 minutes)

Presenter: BOOS, Eduard (M.V. Lomonosov Moscow State University (RU))

Session Classification: Physics Results

Contribution ID: 8

Type: **not specified**

Dimuon Physics at CMS

Wednesday 12 September 2018 14:30 (20 minutes)

Presenter: LANEV, Alexander (Joint Institute for Nuclear Research (RU))

Session Classification: Physics Results

Contribution ID: 9

Type: **not specified**

Angular distributions of Drell-Yan events at CMS

Wednesday 12 September 2018 14:50 (20 minutes)

Presenter: GORBUNOV, Ilya (Joint Institute for Nuclear Research (RU))

Session Classification: Physics Results

Contribution ID: **10**

Type: **not specified**

NLO and FSR NNLO Radiative Corrections for Drell-Yan Processes at LHC

Wednesday 12 September 2018 15:10 (20 minutes)

Presenter: ZYKUNOV, Vladimir (Joint Institute for Nuclear Research (RU))

Session Classification: Physics Results

Contribution ID: 11

Type: **not specified**

Search for WR and Heavy Neutrino in CMS

Wednesday 12 September 2018 15:30 (20 minutes)

Presenter: KIRSANOV, Mikhail (Russian Academy of Sciences (RU))

Session Classification: Physics Results

Contribution ID: 12

Type: **not specified**

Electroweak Mixing at CMS today and after Phase 2 Upgrade

Wednesday 12 September 2018 15:50 (20 minutes)

Presenter: TLISOV, Danila (Russian Academy of Sciences (RU))

Session Classification: Physics Results

Contribution ID: 13

Type: **not specified**

Heavy Flavor Spectroscopy at CMS

Presenter: CHISTOV, Ruslan (National Research Nuclear University MEPhI (RU))

Session Classification: Physics Results

Contribution ID: 14

Type: **not specified**

Study of P-wave B₀s States at CMS

Wednesday 12 September 2018 17:00 (20 minutes)

Presenter: POLIKARPOV, Sergey (National Research Nuclear University MPhI (RU))

Session Classification: Physics Results

Contribution ID: 15

Type: **not specified**

Measurement of Z+c-jet Inclusive Cross-Section

Wednesday 12 September 2018 17:20 (20 minutes)

Presenter: STEPENNOV, Anton (Institute for Theoretical and Experimental Physics (RU))

Session Classification: Physics Results

Contribution ID: 16

Type: **not specified**

Forward Rapidity Gap Distribution in pPb Collisions at 8 TeV

Presenter: KUZNETSOVA, Katerina (Petersburg Nuclear Physics Institut (RU))

Session Classification: Physics Results

Contribution ID: 17

Type: **not specified**

Presentation of Russian edition of Higgs Discovery Article

Presenter: TONELLI, Guido (Universita degli Studi di Pisa-INFN, Sezione di Pisa-Unknown)

Session Classification: Physics Results

Contribution ID: **18**

Type: **not specified**

Opening

Wednesday 12 September 2018 09:00 (30 minutes)

Presenters: YULDASHEV, Bekhzod (Joint Institute for Nuclear Research (RU)); GOLUTVIN, Igor (Joint Institute for Nuclear Research (RU)); BORRAS, Kerstin (DESY / RWTH Aachen University); OFFICIAL REPRESENTATIVES; MATVEEV, Viktor (Joint Institute for Nuclear Research (RU))

Session Classification: Physics Results

Contribution ID: 19

Type: **not specified**

LHC Performance and Overview of the HL-LHC

Thursday 13 September 2018 09:00 (30 minutes)

Presenter: BRUNING, Oliver (CERN)

Session Classification: Future Physics

Contribution ID: 20

Type: **not specified**

Beyond LHC: Future Circular Colliders

Thursday 13 September 2018 09:30 (40 minutes)

Presenter: ZIMMERMANN, Frank (CERN)

Session Classification: Future Physics

Contribution ID: 21

Type: **not specified**

Discussion on Future Machines

Thursday 13 September 2018 10:10 (20 minutes)

Session Classification: Future Physics

Contribution ID: 22

Type: **not specified**

What makes us think that there is physics beyond the Standard model

Thursday 13 September 2018 11:00 (40 minutes)

Presenter: KAZAKOV, Dmitry (JINR)

Session Classification: Future Physics

Contribution ID: 23

Type: **not specified**

BSM vs. Nature

Thursday 13 September 2018 11:40 (30 minutes)

Presenter: WEILER, Andreas (Technische Universität Muenchen (DE))

Session Classification: Future Physics

Contribution ID: 24

Type: **not specified**

Naturalness of Standard model and Higgs boson

Thursday 13 September 2018 12:10 (20 minutes)

Presenter: Prof. KIM, Victor (Petersburg Nuclear Physics Institute - PNPI NRC KI, Gatchina & SPbPU, St. Petersburg)

Session Classification: Future Physics

Contribution ID: 25

Type: **not specified**

Mass of the Higgs boson: a possible tool to measure the non-naturalness of SM

Thursday 13 September 2018 12:30 (20 minutes)

Presenter: GOUZEVITCH, Maxime (Centre National de la Recherche Scientifique (FR))

Session Classification: Future Physics

Contribution ID: 26

Type: **not specified**

Calibration of HE phase 1 calorimeter.

Thursday 13 September 2018 14:30 (20 minutes)

Presenter: GAVRILOV, Vladimir (Institute for Theoretical and Experimental Physics (RU))

Session Classification: Upgrade

Contribution ID: 27

Type: **not specified**

HCAL energy scale calibration with isolated hadrons in 2017

Thursday 13 September 2018 14:50 (20 minutes)

Presenter: CHADEEVA, Marina (National Research Nuclear University MPhI (RU))

Session Classification: Upgrade

Contribution ID: 28

Type: **not specified**

The Study of CMS CSC Spatial Resolution and Operation in Extreme Radiation & High Rate Conditions

Thursday 13 September 2018 15:10 (20 minutes)

Presenters: PERELYGIN, Victor (Joint Institute for Nuclear Research (RU)); PALCHIK, Vladimir (Joint Institute for Nuclear Research (RU))

Session Classification: Upgrade

Contribution ID: 29

Type: **not specified**

Overview of the CMS BCML beam loss monitoring system and the pCVD diamond modification technology

Thursday 13 September 2018 15:30 (20 minutes)

Presenter: OKHOTNIKOV, Vitalii (National Research Tomsk Polytechnic University (RU))

Session Classification: Upgrade

Contribution ID: **30**

Type: **not specified**

The Large Hadron Collider and other high energy microscopes

Friday 14 September 2018 11:00 (1 hour)

Presenter: TENCHINI, Roberto (INFN Sezione di Pisa, Universita' e Scuola Normale Superiore, P)

Session Classification: Samarkand Public Lecture

Contribution ID: **31**

Type: **not specified**

Nuclear and Particle Physics in Uzbekistan

Friday 14 September 2018 12:00 (40 minutes)

Presenter: YULDASHEV, Bekhzod (Joint Institute for Nuclear Research (RU))

Session Classification: Samarkand Public Lecture

Contribution ID: **32**

Type: **not specified**

Conference Closing

Saturday 15 September 2018 14:00 (20 minutes)

Contribution ID: 33

Type: **not specified**

The Phase II Upgrade of CMS

Saturday 15 September 2018 09:00 (30 minutes)

Presenter: CARLIN, Roberto (Universita e INFN, Padova (IT))

Session Classification: HGCAL

Contribution ID: 34

Type: **not specified**

CMS Calorimetry at very forward rapidity

Saturday 15 September 2018 09:30 (30 minutes)

Presenter: DE BARBARO, Pawel (University of Rochester (US))

Session Classification: HGCAL

Contribution ID: 35

Type: **not specified**

HGCAL challenges after approval: towards engineering and construction

Saturday 15 September 2018 10:00 (30 minutes)

Presenter: SEFKOW, Felix (Deutsches Elektronen-Synchrotron (DE))

Session Classification: HGCAL

Contribution ID: **36**

Type: **not specified**

Discussion

Saturday 15 September 2018 10:30 (30 minutes)

Session Classification: HGCAL

Contribution ID: 37

Type: **not specified**

Radiation damage study of SiPMs for the CMS BH HGCAL

Saturday 15 September 2018 11:30 (20 minutes)

Presenter: MUSIENKO, Yuri (Northeastern University (Boston) & INR (Moscow))

Session Classification: HGCAL

Contribution ID: **38**

Type: **not specified**

Radiation damage of SiPM in neutron fields

Saturday 15 September 2018 11:50 (20 minutes)

Presenter: ZAMYATIN, Nikolai (Joint Inst. for Nuclear Research (RU))

Session Classification: HGCAL

Contribution ID: 39

Type: **not specified**

Investigations of scintillators for HGCAL

Saturday 15 September 2018 12:10 (20 minutes)

Presenter: AFANASYEV, Sergey (Joint Institute for Nuclear Research (RU))

Session Classification: HGCAL

Contribution ID: 40

Type: **not specified**

Scintillator macrotiles –possible mechanical concept for HGCAL

Saturday 15 September 2018 12:30 (20 minutes)

Presenter: ERSHOV, Iouri (Joint Institute for Nuclear Research (RU))

Session Classification: HGCAL

Contribution ID: 41

Type: **not specified**

ISMA development radiation hardness detectors for HEP, resources and capabilities

Saturday 15 September 2018 12:50 (20 minutes)

Presenter: BOYARYNTSEV, Andriy (Inst. for Scint. Materials of Nat. Acad. of Science of Ukraine)

Session Classification: HGCAL

Contribution ID: 42

Type: **not specified**

A possibility of RDMS participation in scintillator module production

Saturday 15 September 2018 13:30 (20 minutes)

Presenter: Prof. MALAKHOV, Alexandre (Joint Institute for Nuclear Research (RU))

Session Classification: HGCAL

Contribution ID: 43

Type: **not specified**

Discussion

Saturday 15 September 2018 13:50 (10 minutes)

Session Classification: HGCAL

Contribution ID: 44

Type: **not specified**

Status and Prospects of CMS

Thursday 13 September 2018 16:20 (30 minutes)

Presenter: BUTLER, Joel (CMS)

Session Classification: Future Physics

Contribution ID: 45

Type: **not specified**

The physics potential of HL-LHC

Thursday 13 September 2018 16:50 (30 minutes)

Presenter: MAZUMDAR, Kajari (Tata Inst. of Fundamental Research (IN))

Session Classification: Future Physics

Contribution ID: 46

Type: **not specified**

LHC as gamma-gamma collider

Thursday 13 September 2018 17:20 (30 minutes)

Presenter: VYSOTSKIY, Mikhail

Session Classification: Future Physics

Contribution ID: 47

Type: **not specified**

Fermilab program: status and plans

Thursday 13 September 2018 17:50 (30 minutes)

Presenter: DENISOV, Dmitri (Fermi National Accelerator Lab. (US))

Session Classification: Future Physics

Contribution ID: 48

Type: **not specified**

Discussion on Future Physics

Thursday 13 September 2018 18:20 (30 minutes)

Session Classification: Future Physics

Contribution ID: 49

Type: **not specified**

Presentation of Russian edition of Higgs Discovery article

Wednesday 12 September 2018 17:40 (20 minutes)

Presenter: TONELLI, Guido (Universita degli Studi di Pisa-INFN, Sezione di Pisa-Unknown)

Session Classification: Book Presentation

Contribution ID: 50

Type: **not specified**

Stable and unstable radiation defects in plastic scintillators

Saturday 15 September 2018 13:10 (20 minutes)

Presenter: Dr IBRAGIMOVA, Elvira (INP)

Session Classification: HGCAL