

# CONFERENCE ON HIGH ENERGY PHYSICS

## Report of Contributions

Contribution ID: 6

Type: **not specified**

# OPPENING

Contribution ID: 8

Type: **not specified**

## **PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON**

**Co-authors:** Dr APRESYAN, A. (FNAL); Prof. SHMATOV, S. (JINR)

Contribution ID: 9

Type: **not specified**

## **PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON**

**Co-authors:** Prof. SHMATOV, S. (JINR); Dr APRESYAN, A. (FNAL)

Contribution ID: **10**

Type: **not specified**

## **PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON**

Contribution ID: 12

Type: **not specified**

## PHYSICS BEYOND THE STANDARD MODEL

*Tuesday 12 September 2023 10:00 (1h 30m)*

**Co-author:** Dr PETRUSHANKO, S. (MSU)

Contribution ID: 13

Type: **not specified**

## **PHYSICS BEYOND THE STANDARD MODEL**

*Tuesday 12 September 2023 12:00 (1 hour)*

**Co-author:** Dr PETRUSHANKO, S. (MSU)

Contribution ID: 14

Type: **not specified**

## HADRON SPECTROSCOPY

*Tuesday 12 September 2023 14:00 (2 hours)*

**Co-authors:** Prof. MKRTCHYAN, H. (AANL); Dr GUSKOV, A. (JINR)



Contribution ID: 15

Type: **not specified**

## HADRON SPECTROSCOPY

*Tuesday 12 September 2023 16:30 (1h 20m)*

**Co-authors:** Prof. MKRTCHYAN, H. (AANL); Dr GUSKOV, A. (JINR)

Contribution ID: **16**

Type: **not specified**

## **PHYSICS AT HL-LHC AND BEYOND**

*Thursday 14 September 2023 09:10 (1h 50m)*

Contribution ID: 17

Type: **not specified**

## PHYSICS AT HL-LHC AND BEYOND

*Thursday 14 September 2023 11:30 (2h 10m)*

**Co-author:** Dr RIABOV, V. (JINR)

Contribution ID: **18**

Type: **not specified**

## HEAVY ION PHYSICS

*Wednesday 13 September 2023 10:00 (2 hours)*

Contribution ID: 20

Type: **not specified**

# ADVANCED COMPUTATIONAL AND ANALYSIS TOOLS IN HEP

*Thursday 14 September 2023 14:40 (1h 30m)*

Contribution ID: 21

Type: **not specified**

# ADVANCED COMPUTATIONAL AND ANALYSIS TOOLS IN HEP

*Thursday 14 September 2023 16:40 (1 hour)*

**Co-author:** Prof. AKOPOV, N. (AANL)

Contribution ID: 22

Type: **not specified**

## **Study of the Higgs boson decays to charm and bottom quark pairs with CMS**

*Monday 11 September 2023 11:00 (30 minutes)*

**Presenter:** Dr TUMASYAN, A. (AANL)

**Session Classification:** PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON

Contribution ID: 23

Type: **not specified**

## **Separation between top pair and single top contributions with $tWb$ final state using Neural Networks**

*Monday 11 September 2023 11:30 (30 minutes)*

**Presenter:** Mr PERFILOV, M. (MSU)

**Session Classification:** PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON



Contribution ID: 24

Type: **not specified**

## Physics of Dimuons at LHC

*Monday 11 September 2023 12:00 (30 minutes)*

**Presenter:** Dr LANYOV, A. (JINR)

**Session Classification:** PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON

Contribution ID: 25

Type: **not specified**

## Rare Single Top-Quark production at CMS

*Monday 11 September 2023 12:30 (20 minutes)*

**Presenter:** Ms TIZCHANG, S. (IPM)

**Session Classification:** PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON

Contribution ID: 26

Type: **not specified**

## **Polarization Effects in Processes of Dimuon Production**

*Monday 11 September 2023 14:00 (20 minutes)*

**Presenter:** Mr SHALAEV, V. (JINR)

**Session Classification:** PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON

Contribution ID: 27

Type: **not specified**

## Photon induced background for DiMuon studies

*Monday 11 September 2023 14:20 (20 minutes)*

**Presenter:** Mr ZHIZHIN, I. (JINR)

**Session Classification:** PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON

Contribution ID: 28

Type: **not specified**

## QCD Physics with CMS

*Monday 11 September 2023 15:00 (30 minutes)*

**Presenter:** Dr KODOLOVA, O. (MSU)

**Session Classification:** PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON

Contribution ID: 29

Type: **not specified**

## **Radiative corrections to dilepton production at LHC: the Drell-Yan process vs the Photon Fusion mechanism**

*Monday 11 September 2023 14:40 (20 minutes)*

**Presenter:** Dr ZYKUNOV, V. (JINR)

**Session Classification:** PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS  
BOSON

Contribution ID: 30

Type: **not specified**

## **High precision data-driving determination of the new properties of the elastic scattering at small angles.**

*Monday 11 September 2023 16:10 (30 minutes)*

**Presenter:** Dr SELUGIN, O. (JINR)

**Session Classification:** PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS BOSON

Contribution ID: 31

Type: **not specified**

## **Methodology of measurement of quark and gluon jet macro parameters at hadron collider**

*Monday 11 September 2023 16:40 (20 minutes)*

**Presenter:** Dr SHULHA, S. (JINR)

**Session Classification:** PRECISE TESTS OF STANDARD MODEL and PHYSICS OF HIGGS  
BOSON



Contribution ID: 32

Type: **not specified**

## Welcome

*Monday 11 September 2023 10:00 (10 minutes)*

**Presenter:** Dr TUMASYAN, A. (AANL)

**Session Classification:** OPENING

Contribution ID: **33**

Type: **not specified**

**TBA**

*Monday 11 September 2023 10:10 (30 minutes)*

**Presenter:** Dr KARYAN, G. (AANL)

**Session Classification:** OPENING