

**CERN CMS Masterclass in  
Bulgaria 2024 - Sofia,  
INRNE-BAS**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Introduction to the High Energy and Particle Physics

*Wednesday, 6 March 2024 10:15 (45 minutes)*

**Presenter:** HADJIISKA, Roumyana Mileva (Bulgarian Academy of Sciences (BG))

**Session Classification:** Introduction to High Energy and Elementary Particle Physics

Contribution ID: 2

Type: **not specified**

## Questions and Discussion

*Wednesday, 6 March 2024 11:00 (15 minutes)*

**Session Classification:** Introduction to High Energy and Elementary Particle Physics

Contribution ID: 3

Type: **not specified**

## Introduction to CMS experiment

*Wednesday, 6 March 2024 11:25 (45 minutes)*

**Presenter:** SHOPOVA, Mariana (Bulgarian Academy of Sciences (BG))

**Session Classification:** Introduction to High Energy and Elementary Particle Physics

Contribution ID: 4

Type: **not specified**

## Data Analysis - Methodology

*Wednesday, 6 March 2024 12:25 (35 minutes)*

**Presenters:** SHOPOVA, Mariana (Bulgarian Academy of Sciences (BG)); MISHEVA, Milena Hristova (Bulgarian Academy of Sciences (BG))

**Session Classification:** Introduction to High Energy and Elementary Particle Physics

Contribution ID: 5

Type: **not specified**

## Practical Exercise on CMS Open Experimental Data

*Wednesday, 6 March 2024 14:00 (2h 20m)*

**Presenters:** PAVLOV, Borislav (University of Sofia - St. Kliment Ohridski (BG)); SHOPOVA, Mariana (Bulgarian Academy of Sciences (BG)); MISHEVA, Milena Hristova (Bulgarian Academy of Sciences (BG)); PETKOV, Peicho (University of Sofia - St. Kliment Ohridski (BG)); HADJIISKA, Roumyana Mileva (Bulgarian Academy of Sciences (BG))

**Session Classification:** Practical Exercise on CMS Open Experimental Data

Contribution ID: 6

Type: **not specified**

## **Preliminary discussion of the results**

*Wednesday, 6 March 2024 16:30 (30 minutes)*

**Session Classification:** Practical Exercise on CMS Open Experimental Data

Contribution ID: 7

Type: **not specified**

## **Online video conference with CERN and the other international participants**

*Wednesday, 6 March 2024 17:00 (1 hour)*

**Session Classification:** Practical Exercise on CMS Open Experimental Data



Contribution ID: 8

Type: **not specified**

## Final words (and certificates)

*Wednesday, 6 March 2024 18:00 (30 minutes)*

**Session Classification:** Practical Exercise on CMS Open Experimental Data

Contribution ID: 9

Type: **not specified**

## **News - IPPOG spring meeting at Sofia Tech Park**

**Session Classification:** Introduction to High Energy and Elementary Particle Physics

Contribution ID: **10**

Type: **not specified**

## Welcome words

*Wednesday, 6 March 2024 10:00 (15 minutes)*

**Presenter:** Prof. TONEV, Dimitar (Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences)

**Session Classification:** Introduction to High Energy and Elementary Particle Physics