

**CERN CMS Masterclass in  
Bulgaria 2024 - “Velizar Peev”  
Vocational High School , Svoege**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Introduction to the High Energy and Particle Physics

*Monday, 26 February 2024 10:00 (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

*Monday, 26 February 2024 10:45 (20 minutes)*

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

Contribution ID: 3

Type: **not specified**

## Introduction to CMS experiment

*Monday, 26 February 2024 11:15 (45 minutes)*

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

Contribution ID: 4

Type: **not specified**

## Data Analysis - Methodology

*Monday, 26 February 2024 12:15 (45 minutes)*

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

Contribution ID: 5

Type: **not specified**

## Practical Exercise on CMS Open Experimental Data

*Monday, 26 February 2024 14:00 (2h 20m)*

**Presenter:** 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**

*Monday, 26 February 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**

*Monday, 26 February 2024 17:00 (1 hour)*

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



Contribution ID: 8

Type: **not specified**

## Final words (and certificates)

*Monday, 26 February 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**

## **Inspirational Astronomy Resources and Event - How to make a particle accelerator in the classroom**

*Monday, 26 February 2024 09:00 (40 minutes)*

Вдъхновяващи ресурси и събитие по астрономия  
Как да си направим ускорител на частички в класната стая

**Presenter:** JOKIN, Ivo

**Session Classification:** Astrophysic session

Contribution ID: 11

Type: **not specified**

## **Observing /projecting the Sun on a screen/ with a telescope**

*Monday, 26 February 2024 09:40 (20 minutes)*

Наблюдение /проектиране на Слънце върху екран/ с телескоп

**Session Classification:** Astrophysic session