

# **Science Week Tirana 2024, 2nd edition**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Opening of the Science Week 2024

*Tuesday, October 1, 2024 11:00 AM (10 minutes)*

**Presenter:** Prof. XHIXHA, Gerti (Department of Physics, Faculty of Natural Sciences, UT)

Contribution ID: 2

Type: **not specified**

## **From the theoretical model to the experimental observation**

**Presenter:** Dr MARGJEKA, Ilirjan (INFN Bari & CMS, CERN)

Contribution ID: 3

Type: **not specified**

# From the theoretical model to the experimental observation

*Wednesday, October 2, 2024 11:00 AM (20 minutes)*

**Presenter:** Dr MARGJEKA, Ilirjan (INFN Bari & CMS, CERN)

Contribution ID: 4

Type: **not specified**

## Heavy stable particles, dark corner of modern physics and hands-on session

*Wednesday, October 2, 2024 11:40 AM (30 minutes)*

**Primary author:** Dr GOUZEVITCH, Maxime (CMS, CERN)

**Co-author:** Mrs DIDIER-ESTÈVE, Éva (Aix-Marseille Université and CMS, CERN)

**Presenters:** Dr GOUZEVITCH, Maxime (CMS, CERN); Mrs DIDIER-ESTÈVE, Éva (Aix-Marseille Université and CMS, CERN)

Contribution ID: 5

Type: **not specified**

## What are Complex Systems?

*Thursday, October 3, 2024 11:00 AM (20 minutes)*

**Presenter:** Prof. IFTI, Margarita (Department of Physics, Faculty of Natural Sciences, UT)

Contribution ID: 6

Type: **not specified**

## **Chaos theory and arrhythmia: A dynamical approach to cardiac care**

*Thursday, October 3, 2024 12:00 PM (20 minutes)*

**Presenter:** Mr BOROCCI, Lum (Department of Computer Engineering, Faculty of Architecture and Engineering, Epoka University)

Contribution ID: 7

Type: **not specified**

## **Elementary particle physics at CERN: discoveries and new technologies**

*Friday, October 4, 2024 11:10 AM (1 hour)*

**Presenter:** Prof. BUONTEMPO, Salvatore (CMS, CERN)



Contribution ID: 8

Type: **not specified**

## Particle physics and muon system at CERN

*Friday, October 4, 2024 12:10 PM (40 minutes)*

**Presenter:** Prof. HOORANI, Hafeez (CMS, CERN)

Contribution ID: 9

Type: **not specified**

## Experiments to prove the quantum entanglement

*Tuesday, October 1, 2024 11:10 AM (40 minutes)*

**Presenter:** Prof. HAFIZI, Mimoza (Department of Physics, Faculty of Natural Sciences, UT)

Contribution ID: **10**

Type: **not specified**

## **Results on top quark physics by CMS**

*Tuesday, October 1, 2024 11:50 AM (40 minutes)*

**Presenter:** Prof. TOSI, Silvano (INFN Genova and CMS, CERN)

Contribution ID: 11

Type: **not specified**

## Experiments to prove the quantum entanglement

**Presenter:** Prof. HAFIZI, Mimoza (Department of Physics, Faculty of Natural Sciences, UT)

Contribution ID: 12

Type: **not specified**

## **Nondestructive analysis of an ancient artefact with X-ray fluorescence technique**

*Wednesday, October 2, 2024 11:20 AM (20 minutes)*

**Presenter:** Mr FIRANJ, Ramadan (Department of Analytical Instrumental Methods, Institute of Applied Nuclear Physics, University of Tirana)

Contribution ID: 13

Type: **not specified**

## **Periodic monitoring and radiation safety in nuclear medicine: compliance with ionizing radiation safety standard**

*Thursday, October 3, 2024 11:40 AM (20 minutes)*

**Presenter:** Mrs MUÇO, Zeliha (University Hospital Centre “Mother Theresa”)

Contribution ID: 14

Type: **not specified**

## **Strong lensing of quasars**

*Thursday, October 3, 2024 12:20 PM (20 minutes)*

**Presenter:** Mrs GULIQANI, Esmeralda ("Fan S. Noli" University of Korça)

Contribution ID: 15

Type: **not specified**

## Registration of participants

*Tuesday, October 1, 2024 10:45 AM (15 minutes)*



Contribution ID: 16

Type: **not specified**

## **Impact of radiotherapy on hormone receptor and HER2 status in breast cancer**

*Thursday, October 3, 2024 11:20 AM (20 minutes)*

**Presenter:** Mrs ZENELI, Siltana (Department of Anatomic Pathology, University Hospital Centre "Mother Teresa", Tirana, Albania)

Contribution ID: 17

Type: **not specified**

## **Analysis of environmental radioactivity in the Korça district using advanced computational techniques**

*Wednesday, October 2, 2024 12:10 PM (20 minutes)*

**Presenter:** Mr SHANO, Jurgan (Institute of Applied Nuclear Physics, University of Tirana,)

Contribution ID: **18**

Type: **not specified**

## Closing remarks

Contribution ID: 19

Type: **not specified**

## **Middle and high schools' teachers insights on Physics Education Curricula**

*Wednesday, October 2, 2024 12:30 PM (20 minutes)*

**Presenter:** Mrs HABILAJ, Edlira (Department of Technical Sciences, Reald University College)