

2nd Physics Camp for Girls

Report of Contributions

Contribution ID: 1

Type: **not specified**

Recitation + Introduction

Tuesday, December 20, 2022 9:00 AM (15 minutes)

Primary authors: HANIF, Hamza (Simon Fraser University (CA)); Ms NASIR, Tahira (University of Karachi)

Presenters: HANIF, Hamza (Simon Fraser University (CA)); Ms NASIR, Tahira (University of Karachi)

Contribution ID: 2

Type: **not specified**

Webbing the Universe (James Webb Telescope)

Tuesday, December 20, 2022 9:15 AM (30 minutes)

Presenter: Mr BUKHARI, Roshaan

Contribution ID: 3

Type: **not specified**

Careers in Space

Tuesday, December 20, 2022 9:45 AM (40 minutes)

Presenter: Ms MAJEED, Yumna

Contribution ID: 4

Type: **not specified**

Three Great Achievements of Science

Tuesday, December 20, 2022 10:25 AM (1 hour)

The talk will highlight the Big Bang, structure of matter, and evolution of life

Presenter: Dr HOODBOUY, Pervaiz

Contribution ID: 5

Type: **not specified**

Maqsad (Sponsor talk)

Tuesday, December 20, 2022 12:20 PM (5 minutes)

Contribution ID: 6

Type: **not specified**

Building Blocks of the Universe

Tuesday, December 20, 2022 11:45 AM (35 minutes)

All matter in our cosmos appears to be composed of a few subatomic particles that are governed by a handful of fundamental mathematical laws. These rules give rise to all the phenomena in the universe, from subatomic scales, through the vast expanse of space. I will talk about this subatomic cosmos and the laws which govern our universe and discuss the Standard Model of particle physics which gives a complete and self-consistent description of the fundamental physics of the universe.

Presenter: Dr NISAR, Shabana (IBA University)

Contribution ID: 7

Type: **not specified**

Quiz Competition

Tuesday, December 20, 2022 1:40 PM (25 minutes)

Contribution ID: 8

Type: **not specified**

Medical Physics: A broad spectrum of careers

Tuesday, December 20, 2022 12:25 PM (25 minutes)

The medical physicist bridges physics and medicine. It offers a broad spectrum of career opportunities ranging from clinical activities, to quality assurance, radiation safety, and research including big data and artificial intelligence within diagnostic radiology physics, radiation therapy physics, and nuclear medicine physics.

Presenter: Ms RONAQUE, Zainab (Ziauddin Hospital)

Contribution ID: 9

Type: **not specified**

Life of Marie Curie (Urdu Dubbed)

Tuesday, December 20, 2022 12:50 PM (5 minutes)

Contribution ID: **10**

Type: **not specified**

STEAM GAALA

Tuesday, December 20, 2022 1:10 PM (30 minutes)

Demonstration based DIY STEM projects will be performed that integrate the concepts of robotics, the internet of things, programming, and automation. The basics of this show are to enable curiosity in young girls to pursue STEM careers. Participants will also engage in tricky mental math.

Co-authors: Mr MOTAN, Maroof (TDF's MagnifiScience Centre); Mr BIN IMTIAZ, Saad (TDF's MagnifiScience Centre); Ms SHAIKH, Sadia (TDF's MagnifiScience Centre)

Presenters: Mr MOTAN, Maroof (TDF's MagnifiScience Centre); Mr BIN IMTIAZ, Saad (TDF's MagnifiScience Centre); Ms SHAIKH, Sadia (TDF's MagnifiScience Centre)

Contribution ID: 11

Type: **not specified**

Vera Rubin and her Dark Matter (Urdu)

Tuesday, December 20, 2022 12:55 PM (5 minutes)

Contribution ID: 12

Type: **not specified**

Story of Chien-Shiung Wu (Urdu)

Tuesday, December 20, 2022 1:00 PM (3 minutes)

Contribution ID: **13**

Type: **not specified**

Halki Baraf

Tuesday, December 20, 2022 1:03 PM (6 minutes)

Contribution ID: 14

Type: **not specified**

Hunarmand

Presenter: Mr SHAHZAD, Saqib (University of Central Florida)

Contribution ID: 15

Type: **not specified**

Closing Ceremony

Tuesday, December 20, 2022 2:05 PM (20 minutes)