



The Centre for Theoretical Physics

The British University in Egypt

CTP Lectures and Tutorials for STEM Students

28 to 31 July 2024

The Programme

Sunday 28 July

Opening 9:45

10:00 – 11: 15

Galaxies and their Content

Amr El-Zant

11:15 – 11: 45

Break

11:45 -- 13: 00

Onto the Cosmological Realm

Amr El-Zant

13:00 – 14:15

Break

14:15 – 16:15

Tutorials (Mahmoud Hashim, Amr El-Zant)

Monday 29 July

9:30 – 11:30

In Quest of the Quantum

Presentation by Adel Awad and general discussion

11:30 – 12:00

Break

12:00 – 14:00

Tour of the British University in Egypt

14:00 – 16:00

Discussions and Tutorials (optional)

Tuesday 30 July

9: 30 – 10: 45

Relativity: The Special Theory

Waleed ElHanafy

10:45 – 11: 15

Break

11:15 -- 12: 30

Relativity: The General Theory

Waleed ElHanafy

12:30 – 14:00

Break

14:00 – 16:00

Tutorials (Waleed El Hanafy, Mahmoud Hashim)

Wednesday 31 July

9: 30 – 10: 45

In Search of the Smallest: Elementary Particles, their Interactions and their Detection

Yasser Assran

10:45 – 11: 15

Break

11:15 -- 12: 30

Particle Accelerators: The Large Hadron Collider and Beyond

Sheerif Elgammal

12:30 – 14:00

Break

14:00 – 16:30

Tutorials (Basma El Mahdy ,Yassser Assran)

Then

General Discussion