

Session Program

6-9 Nov 2023

**Beyond Standard Model: From Theory to
Experiment (BSM- 2023)**

Session 14

Hurghada - Egypt

Monday 6 November

11:40

Session 14

Session | **Location:** Hurghada - Egypt | **Convener:** Paul Frampton

11:40-12:20

Neutrino oscillation experiments: present and future

Speaker

Takaaki Kajita

Location

Online

12:20-12:45

LDMX: An Indirect Search for Dark Matter Using a High Intensity Electron Beam

Speaker

Edmond Dukes

Location

Hurghada - Egypt

12:45-13:10

Search for the leptonic CP violation with the ESSnuSB(+) project

Speaker

Tamer Tolba

Location

Hurghada - Egypt

13:10-13:35

Sub-PeV to PeV photon observations using the new air shower array in Bolivia

Speaker

Takashi Sako

Location

Hurghada - Egypt

13:35

Tuesday 7 November

11:30

Session 14

Session | **Convener:** Otto Kong

11:30–12:00

Some interesting directions in Flavor physics

Speaker

Alakabha Datta

12:00–12:30

Select puzzles in Hadronic B decays

Speaker

Bhubanjyoti Bhattacharya

12:30–13:00

PQ charge and axion couplings in the 3-3-1 model

Speaker

Hoang Ngoc Long

13:00–13:30

String Derived Z' Model at an Upgraded Superconducting Super Collider

Speaker

Alon Faraggi

Location

Online

13:30

Wednesday 8 November

11:30

Session 14

Session | Convener: Shawqi El Dallal

11:30-12:00 Inflation beyond slow roll and primordial black holes

Speaker

Hayato Motohashi

Location

Online

12:00-12:30

Non-trivial class of anisotropic compact stellar model in Rastall gravity

Speaker

Gamal Nashed

12:30-13:00

Conformal Field Theory Dual To f(T) Black Holes

Speaker

Masoud Ghezelbash

13:00-13:30

Particle-like solutions in the generalized SU(2) Proca theory

Speaker

Yeinzon Rodríguez García

13:30

Thursday 9 November

11:30

Session 14

Session | **Location:** Hurghada - Egypt | **Convener:** Edmond Dukes

11:30-11:50 Outlook for the KM3NeT neutrino telescope and latest results

Speaker

Maria Rosaria Musone

Location

Hurghada - Egypt

11:50-12:10 Exploring maverick top partner decays at the LHC

Speaker

Sanjoy Biswas

Location

Hurghada - Egypt

12:10-12:30

Alternative to Dark Matter and Dark Energy: Testing Superfluid Vacuum Theory for Galactic Dynamics

Speaker

Konstantin Zloshchastiev

Location

Hurghada - Egypt

12:30-12:50

Searching for Axions and Axion-Like Particles via Spin-Dependent Interactions

Speaker

Haiyang Yan

Location

Hurghada - Egypt

12:50-13:10 Optical simulations of the DarkSide-20k Outer Veto

Speaker

Taisiia Smirnova

Location

Online

13:10-13:30 One-loop Fierz identities

Speaker

Jason Aebischer

Location

Online

13:30