

**Session Program**

**6-9 Nov 2023**

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

***Session 15***

Hurghada - Egypt

# Monday 6 November

14:45

## Session 15

**Session** | **Location:** Hurghada - Egypt | **Convener:** Jihn Kim

14:45-15:15 **A composite 2HDM**

**Speaker**

Stefano Moretti

**Location**

Hurghada - Egypt

15:15-15:45 **A 700 GeV Higgs Resonance: Motivations, Experiment, and Unitarity**

**Speaker**

George Rupp

**Location**

Hurghada - Egypt

15:45-16:15 **A BSM without Higgs**

**Speaker**

Giancarlo Rossi

**Location**

Online

16:15-16:45 **Dynamical Inflation Stimulated Cogenesis**

**Speaker**

Arnab Dasgupta

**Location**

Online

16:45

# Wednesday 8 November

17:00

## Session 15

Session | Convener: Hoang Nagoe Long

17:00–17:20

**Composite anomalous signal approach in searching for anomalous quartic gauge couplings using effective field theory**

**Speaker**

Artur Semushin

**Location**

Online

17:20–17:40

**Searching for  $H \rightarrow hh \rightarrow b\bar{b}\tau\tau$  in the 2HDM Type-I at the LHC.**

**Speaker**

Souad Semlali

**Location**

Online

17:40–18:00

**Solar neutrino constraints on  $U(1)'$  models via coherent elastic neutrino-nucleus scattering**

**Speaker**

M F Mustamin

**Location**

Online

18:00–18:20

**Non-Renormalizable Grand Unification Utilizing the Leptoquark Mechanism of Neutrino Mass**

**Speaker**

Çağlar Doğan

**Location**

Online

19:00

# Thursday 9 November

14:30

## Session 15

**Session** | **Location:** Hurghada - Egypt | **Convener:** Safinaz Salem

14:30-14:50

### Effective field theory of black hole perturbations with timelike scalar profile

**Speaker**

Shinji Mukohyama

**Location**

Online

14:50-15:10

### Pair production of Higgs boson in composite two Higgs doublet model

**Speaker**

Kodai Sakurai

**Location**

Hurghada - Egypt

15:10-15:30

### Latest Results from the CUORE experiment (20 mints)

**Speaker**

Alice Campanio

**Location**

Online

15:30-15:50

### From flavour to dark matter

**Speaker**

Gauhar Abbas

**Location**

Hurghada - Egypt

15:50-16:10

### Cooling Dark Matter

**Speaker**

Noah Bray-Ali

**Location**

Online

16:10-16:30

### Model of the Universe without Dark Matter

**Speaker**

Maher Khamis Hassan

**Location**

Online

16:30