

## **Session Program**

**1-6 Aug 2022**



# **XVth Quark Confinement and the Hadron Spectrum**

## **Parallels Track G**

University of Stavanger, Campus Ullandhaug

# Monday 1 August

14:00

## Parallels Track G: Monday I

**Session** | **Location:** UiS, AR V-101, On the ground floor of the AR building | **Conveners:**  
Domenec Espriu, Roman Pasechnik, Enrico Rinaldi, Shaaban Khalil, Vicente Vento, Zoltan Fodor

14:00–14:25

### Kernel controlled real-time Complex Langevin simulation

**Speaker**

Daniel Alvestad

14:25–14:50

### Disentangling the gravity dual of Yang-Mills theory from the lattice

**Speaker**

Niko Jokela

15:00

15:40

## Parallels Track G: Monday II

**Session** | **Location:** UiS, AR V-101, On the ground floor of the AR building | **Conveners:**  
Roman Pasechnik, Enrico Rinaldi, Zoltan Fodor, Vicente Vento, Shaaban Khalil, Domenec Espriu

15:40–16:05

### Warped dimensions: Green's functions and continuous spectra

**Speaker**

Eugenio Megias

16:05–16:30

### Unitarized one-loop graviton-graviton scattering

**Speaker**

Rafael Delgado Lopez

16:30–16:55

### Gravitational waves from dark confinement phase transitions

**Speaker**

Manuel Reichert

17:00

# Tuesday 2 August

14:00

## Parallels Track G: Tuesday I

**Session** | **Location:** UiS, AR V-101, On the ground floor of the AR building | **Conveners:**  
Enrico Rinaldi, Domenec Espriu, Shaaban Khalil, Roman Pasechnik, Zoltan Fodor, Vicente Vento

14:00–14:25

### Phase Transition and Gravitational Wave of Strongly Dark Sectors with Various Representations

#### Speaker

ZHIWEI WANG

14:25–14:50

### Stochastic Ricci Renormalization Group Flow applied to QCD: Topological Braiding and Confinement

#### Speaker

Prof. Antonino Marciano

15:00

15:40

## Parallels Track G: Tuesday II

**Session** | **Location:** UiS, AR V-101, On the ground floor of the AR building | **Conveners:**  
Zoltan Fodor, Enrico Rinaldi, Shaaban Khalil, Roman Pasechnik, Vicente Vento, Domenec Espriu

15:40–16:05

### Confinement/deconfinement transition in the D0-matrix model and appearance of M-theory

#### Speaker

Stratos Pateloudis

16:05–16:30

### The density of states method in Yang-Mills theories and first order phase transitions

#### Speaker

Mr David Mason

16:30–16:55

### Density of states for gravitational waves

#### Speaker

Felix Springer

17:00

# Thursday 4 August

14:00

## Parallels Track G: Thursday I

**Session** | **Location:** UiS, AR V-101, On the ground floor of the AR building | **Conveners:** Shaaban Khalil, Domenec Espriu, Roman Pasechnik, Enrico Rinaldi, Zoltan Fodor, Vicente Vento

14:00–14:25

### **SMEFT is falsifiable through multi-Higgs measurements (even in the absence of new light particles)**

#### **Speaker**

Felipe Jose Llanes-Estrada

14:25–14:50

### **Composite two-Higgs doublet model from dilaton effective field theory**

#### **Speaker**

James Ingoldby

15:00

15:40

## Parallels Track G: Thursday II

**Session** | **Location:** UiS, AR V-101, On the ground floor of the AR building | **Conveners:** Zoltan Fodor, Domenec Espriu, Shaaban Khalil, Roman Pasechnik, Enrico Rinaldi, Vicente Vento

15:40–16:05

### **Composite dynamics in $Sp(2N)$ gauge theories**

#### **Speaker**

Jong-Wan Lee

16:05–16:30

### **Applying gauge/gravity duality to Composite Higgs models**

#### **Speaker**

Werner Porod

16:30–16:55

### **Strongly Interacting Dark Matter from $Sp(4)$ Gauge Theory**

#### **Speaker**

Fabian Zierler

17:00

## Friday 5 August

14:00

### Parallels Track G: Friday I

**Session** | **Location:** UiS, AR V-101, On the ground floor of the AR building | **Conveners:**  
Domenec Espriu, Enrico Rinaldi, Zoltan Fodor, Shaaban Khalil, Roman Pasechnik, Vicente Vento

14:00–14:25

#### Meaning of Polyakov loop in QCD: confinement, deconfinement and partial deconfinement

##### Speaker

Masanori Hanada

14:25–14:50

#### Holographic dense QCD in the Veneziano limit

##### Speaker

Matti Jarvinen

15:00

15:40

### Parallels Track G: Friday II

**Session** | **Location:** UiS, AR V-101, On the ground floor of the AR building | **Conveners:**  
Domenec Espriu, Enrico Rinaldi, Vicente Vento, Zoltan Fodor, Shaaban Khalil, Roman Pasechnik

16:05–16:30

#### Global Symmetries as a Signature of Partial Confinement

##### Speaker

Jack Holden

16:30–16:55

#### Unitarization of infinite range forces, resonances in gravitational scattering of gravitons and scalars: The graviball

##### Speaker

José Antonio Oller Berber

17:00