

**Session Program**

**28 July 2020 to 6 August 2020**

**ICHEP 2020**

***Formal Theory***

virtual conference

# Wednesday 29 July

15:30

## Formal Theory: Session II - Premiere

**Session** | **Location:** virtual conference | **Convener:** Jaroslav Trnka

15:30-16:00

### Electroweak precision pseudo-observables at the $e^+e^-$ Z-resonance region

**Speaker**

Janusz Gluza

16:00-16:30

### The Theory of Resummed Quantum Gravity: Phenomenological Implications

**Speaker**

Bennie Ward

16:30-17:00

### Composite Higgs scenario in mass-split models

**Speaker**

Oliver Witzel

17:00-17:15

### Coffee Break

17:15-17:35

### Proton decay in the minimal realistic SO(10) GUT

**Speaker**

Katerina Jarkovska

17:35-18:05

### Axial vector transition form factors in holographic QCD and their contribution to the muon $g-2$

**Speaker**

Prof. Anton Rebhan

18:05-18:35

### Torsion through time-loops on bidimensional Dirac materials

**Speaker**

Dr Pablo Pais

18:35-18:50

### Coffee break

18:50-19:20

### The scalar potential of the 331 model: theoretical constraints

**Speaker**

Antonio Costantini

19:20-19:50

### Supersymmetric theories and Graphene

**Speaker**

Antonio Gallerati

20:30

# Thursday 30 July

01:00

06:00

08:00

## Formal Theory: Session II - Replay

Session | Location: virtual conference

## Formal Theory: Session III - Premiere

Session | Location: virtual conference | Convener: Jaroslav Trnka

08:00–08:30

### Novel methods for calculating Feynman integrals and applications to QCD processes

**Speaker**

Johannes Henn

08:30–09:00

### From Correlation Functions to Event Shapes

**Speaker**

Kai Yan

09:00–09:30

### On soft theorems in multiflavour galileon theories

**Speaker**

Karol Kampf

09:30–09:45

### Coffee Break

09:45–10:15

### Scalar-Vector Effective Field Theories from Soft Limits

**Speaker**

Mr Preucil Filip

10:15–10:45

### Coupled $N = 2$ supersymmetric quantum systems: Symmetries and supervariable approach

**Speaker**

Dr Saurabh Gupta

10:45–11:15

### Effective actions from string field theory

**Speaker**

Jakub Vosmera

11:15–11:30

### Coffee Break

11:30–12:00

### Predictive electroweak gauge model with strong spontaneous-symmetry-breaking dynamics

**Speaker**

Dr Jiří Hošek

12:00–12:30

### Intrinsic quantum coherence in particle oscillations

13:00  
15:30  
20:30

**Speaker**  
Dr Anca Tureanu

**Formal Theory: Session III - Replay**  
**Session** | **Location:** virtual conference