

## **Session Program**

**4-12 Jul 2018**



## **7th International Conference on New Frontiers in Physics (ICNFP2018)**

### ***Plenary Session***

## Thursday 5 July

08:20

### Plenary Session

**Session** | **Location:** Room 1 | **Convener:** Willibald Plessas

08:20–09:00 **Opening of the conference**

09:00–09:30 **Bekenstein Entropy and Hawking Radiation-Reminiscences**

**Speaker**

Slava Mukhanov

09:30–10:00

**The phase diagram of QCD: Critical endpoint vs a pseudo-Lifshitz point.**

**Speaker**

Robert Pisarski

10:00–10:30 **Parity doubling in QCD thermodynamics**

**Speaker**

Chihiro Sasaki

10:30

# Friday 6 July

08:30

10:30

Plenary Session	
Session   Location: Room 1   Convener: Despina Hatzifotiadou	
08:30–09:00	Highlights from LHCb
Speaker Diego Martinez Santos	
09:00–09:30	CMS Highlights
Speaker Saranya Samik Ghosh	
09:30–10:00	ATLAS Highlights
Speaker Xingguo Li	
10:00–10:30	ALICE Highlights
Speaker Francesco Noferini	

## Saturday 7 July

08:30

### Plenary Session

**Session** | **Location:** Room 1 | **Convener:** Viktor Matveev

08:30–09:00

#### Memories of Lev Lipatov, a scientist and a man

**Speaker**

Prof. Victor Fadin

09:00–09:30

#### Nonlinear eigenvalue problems

**Speaker**

Prof. Carl Bender

09:30–10:00

#### On vacuum angle (in)dependence in the Higgs regime

**Speaker**

Arkady Vainshtein

10:00–10:30

#### Towards understanding the origin of the micro states of large black holes

**Speaker**

Prof. V.I. Zakharov

10:30

# Monday 9 July

08:30

## Plenary Session

**Session** | **Location:** Room 1 | **Convener:** Arkady Vainshtein

08:30–09:00

### Composite Weak Bosons and Dark Matter

**Speaker**

Harald Fritzsch

09:00–09:30

### Doubly-Charged Bileptons at the LHC

**Speaker**

Paul Frampton

09:30–10:00

### Gravitational wave observations: achievements and perspectives

**Speaker**

Giovanni Losurdo

10:00–10:30

### Inflation from supersymmetry breaking

**Speaker**

Ignatios Antoniadis

10:30

## Tuesday 10 July

08:30

### Plenary Session

**Session** | **Location:** Room 1

08:30–09:00

#### **BEH at LHC from the start of data taking until precision measurements and HL-LHC**

**Speaker**

Louis Fayard

09:00–09:30

#### **Higgs Boson Alignment**

**Speaker**

Karim Benakli

09:30–10:00

#### **Quantum metrology frontiers with cold atoms**

**Speaker**

Onur Hosten

10:00–10:30

#### **From quantum correlations to no-signaling and beyond**

**Speaker**

Prof. Pawel Horodecki

10:30

## Wednesday 11 July

08:30

### Plenary Session

**Session** | **Location:** Room 1 | **Convener:** Vladimir Shevchenko

08:30–09:00

#### **Vorticity, hydrodynamic helicity and polarization in baryon-rich matter**

**Speaker**

Prof. Alexander Sorin

09:00–09:30

#### **CPT Violation: from matter-antimatter asymmetry in the Early Universe to entangled quantum states**

**Speaker**

Nikos Mavromatos

09:30–10:00

#### **Flow and superpositions of quantum time: An old experiment and some new ideas**

**Speaker**

Prof. Marek Czachor

10:00–10:30

#### **Twisted quantum waves**

**Speaker**

Prof. Ebrahim Karimi

10:30

## Thursday 12 July

08:30

### Plenary Session

**Session** | **Location:** Room 1

08:30–09:00

**Searches for magnetic monopoles: a review****Speaker**

Vasiliki Mitsou

09:00–09:30

**Quantum Entanglement - New Theoretical Results and forthcoming Experiments****Speaker**

Dr Eliahu Cohen

09:30–10:00

**Can a particle be where it never went? - some recent surprising predictions****Speaker**

Prof. Avshalom Elitzur

10:00–10:30

**Exploring the limits of no backward in time signalling****Speaker**

sandu popescu

10:30