

**Session Program**

**Sep 7 - 10, 2020**



**20th Conference of Czech and  
Slovak Physicists**

***Plenary Talks***

# Mon, September 7

10:30 AM

## Plenary Talks

**Session** | **Location:** IMPAKT, lecture hall N1

10:30 - 11:15 AM **Magnonic Analog of Black/White-Hole Horizons in Superfluid  $^3\text{He-B}$**

**Speaker**

Skyba P.

11:15 AM - 12:00 PM **QUANTUM WALKS**

**Speaker**

Štefaňák M.

12:00 PM

1:30 PM

## Plenary Talks

**Session** | **Location:** IMPAKT, lecture hall N1

1:30 - 2:15 PM

**EXPERIMENT KATRIN LIMITED THE NEUTRINO MASS TO LESS THAN 1 eV**

**Speaker**

Dragoun O.

2:15 - 2:50 PM

**CHARACTERIZATION AND BIOAPPLICATION OF MAGNETIC NANOPARTICLES**

**Speaker**

Poláková K.

2:50 - 3:25 PM

**NITRIDE SEMICONDUCTORS - PROPERTIES AND APPLICATIONS**

**Speaker**

Hospodková A.

3:25 PM

4:00 PM

## Plenary Talks

**Session** | **Location:** IMPAKT, lecture hall N1

4:00 - 4:35 PM

**Role of photovoltaic solar cells in the ongoing energy systems transformation**

**Speaker**

Fejfar A.

4:35 - 5:10 PM

**ORGANIC SEMICONDUCTORS**

**Speaker**

Weis M.

5:10 - 5:45 PM

**TIME-RESOLVED OPTICAL AND TERAHERTZ STUDIES OF THIN-FILM FERROMAGNETS AND ANTIFERROMAGNETS**

**Speaker**

Nádvorník L.

5:45 PM

## Tue, September 8

8:30 AM

### Plenary Talks

**Session** | **Location:** IMPAKT, lecture hall N1

8:30 - 9:15 AM

#### ELECTROMAGNETIC STRUCTURE OF MESONS AND BARYONS

**Speaker**

Dubnička S

9:15 - 9:50 AM

#### SELECTED RESULTS OF THE ATLAS EXPERIMENT WITH SIGNIFICANT CONTRIBUTION OF CZECH AND SLOVAK PHYSICISTS

**Speaker**

Tomas Davidek

9:50 AM

10:20 AM

### Plenary Talks

**Session** | **Location:** IMPAKT, lecture hall N1

10:20 - 11:05 AM

#### Explosions in the Universe and the Origin of Chemical Elements

**Speaker**

Pejcha O.

11:05 - 11:40 AM

#### TEN YEARS OF COMPASS TOKAMAK OPERATION

**Speaker**

Komm M.

11:40 AM - 12:00 PM

#### Czech participation in new European Large Research Infrastructure FAIR

**Speaker**

Kugler A.

12:00 PM

## Thu, September 10

2:55 PM

### Plenary Talks: fyzika pevných látek

**Session** | **Location:** building A, lecture hall T1

2:55 - 3:15 PM

#### Highlights in physics of two-dimensional crystals through cryomagnetic optics

**Speaker**

Vejpravová J.

3:30 PM