

Session Program

7-10 Sept 2020



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

Plenary Talks

Monday 7 September

10:30

Plenary Talks

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

10:30–11:15

Magnonic Analog of Black/White-Hole Horizons in Superfluid $^3\text{He-B}$

Speaker

Skyba P.

11:15–12:00

QUANTUM WALKS

Speaker

Štefaňák M.

12:00

13:30

Plenary Talks

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

13:30–14:15

EXPERIMENT KATRIN LIMITED THE NEUTRINO MASS TO LESS THAN 1 eV

Speaker

Dragoun O.

14:15–14:50

CHARACTERIZATION AND BIOAPPLICATION OF MAGNETIC NANOPARTICLES

Speaker

Poláková K.

14:50–15:25

NITRIDE SEMICONDUCTORS - PROPERTIES AND APPLICATIONS

Speaker

Hospodková A.

15:25

16:00

Plenary Talks

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

16:00–16:35

Role of photovoltaic solar cells in the ongoing energy systems transformation

Speaker

Fejfar A.

16:35–17:10

ORGANIC SEMICONDUCTORS

Speaker

Weis M.

17:10–17:45

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

Speaker

Nádvorník L.

17:45

Tuesday 8 September

08:30

Plenary Talks

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

08:30–09:15 **ELECTROMAGNETIC STRUCTURE OF MESONS AND BARYONS**

Speaker
Dubnička S

09:15–09:50

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

Speaker
Tomas Davidek

09:50

10:20

Plenary Talks

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

10:20–11:05 **Explosions in the Universe and the Origin of Chemical Elements**

Speaker
Pejcha O.

11:05–11:40 **TEN YEARS OF COMPASS TOKAMAK OPERATION**

Speaker
Komm M.

11:40–12:00

Czech participation in new European Large Research Infrastructure FAIR

Speaker
Kugler A.

12:00

Thursday 10 September

14:55

Plenary Talks: fyzika pevných látek

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

14:55–15:15

Highlights in physics of two-dimensional crystals through cryomagnetic optics

Speaker

Vejpravová J.

15:30