

CZ SK 2023 HEP workshop

Wednesday, 28 June 2023

Introduction (08:30 - 08:40)

Session I (08:40 - 10:20)

| time | [id] title | presenter |
|-------|---|--|
| 08:40 | [26] The Higgs boson - discovery and recent results | DAVIDEK, Tomas (Charles University (CZ)) |
| 09:00 | [35] Asymetries in top quark production | BARTOS, Pavol (Comenius University (SK)) |
| 09:20 | [18] B-Physics Measurements at ATLAS | REZNICEK, Pavel (Charles University (CZ)) |
| 09:40 | [8] Search for excited tau lepton and leptoquarks with ATLAS | PLESKOT, Vojtech (Charles University (CZ)) |
| 10:00 | [10] Simulace a měření mikrokanálového fotonásobiče (MCP-PMT) ošetřeného depozicí ochranné atomové vrstvy (ALD) | BUCKO, Jakub (Charles University (CZ)) |

Coffee break (10:20 - 10:45)

Session II (10:45 - 12:05)

| time | [id] title | presenter |
|-------|---|--|
| 10:45 | [3] Signals of Beyond Standard Model Physics in Flavor Changing Processes and Latest NA62 Results | BLAZEK, Tomas (Comenius University (SK)) |
| 11:05 | [11] Precision measurements of kaon decays at NA62 experiment | HIVES, Zdenko (Charles University (CZ)) |
| 11:25 | [6] Overview of the π^0 radiative decay width | KAMPF, Karol (Charles University (CZ)) |
| 11:45 | [4] Neutral pion identification at Future Circular Collider | HAVIERNIK, Matej (Charles University (CZ)) |

Lunch break (12:05 - 13:10)

Session III (13:10 - 14:50)

| time | [id] title | presenter |
|-------|--|--|
| 13:10 | [33] Alice experiment - history, present and future | SAFARIK, Karel (Czech Technical University in Prague (CZ)) |
| 13:30 | [34] Produkcia podivnosti v Xe–Xe zrážkach pri energii 5,44 TeV na experimente ALICE | DZALAIOVA, Natalia (Comenius University (SK)) |
| 13:50 | [19] Helicity and vorticity in heavy-ion collisions and hyperon polarization | KOLOMEITSEV, Evgeni |
| 14:10 | [24] Non-critical particle number fluctuations in heavy-ion collisions | TOMASIK, Boris (Univerzita Mateja Bela (SK)) |

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|-------|--|--|
| 14:30 | [7] Next-generation multi-fluid hydrodynamics for energies from few to tens of GeV | CIMERMAN, Jakub (Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University) |
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Coffee break (14:50 - 15:15)**Session IV (Internal) (15:15 - 16:15)**

| time | [id] title | presenter |
|-------|--|---|
| 15:15 | [21] Observation of top-quark pair production in proton-lead collisions in ATLAS | BARON, Petr (Palacky University (CZ)) |
| 15:35 | [5] Measurement of top-quark pair production in proton-lead collisions at 8.16 TeV | MONDAL, Santu (Czech Technical University in Prague (CZ)) |
| 15:55 | [12] ρ meson lifetime measurement | BIROS, Marek (Charles University (CZ)) |

Conference dinner (18:00 - 22:00)

Thursday, 29 June 2023

Session V (Internal) (09:00 - 10:20)

| time | [id] title | presenter |
|-------|--|---|
| 09:00 | [22] Low transverse momentum tracking in low magnetic field | DOHNALOVA, Adriana (Comenius University (SK)) |
| 09:20 | [25] Bose-Einstein correlations in 3D approach in high energy proton-proton collisions in the ATLAS experiment | SUCHY, Daniel (Comenius University (SK)) |
| 09:40 | [9] Jet calibration with machine learning techniques | NOVOTNY, Patrik (Charles University (CZ)) |
| 10:00 | [15] Inclusive dijet production with the ATLAS detector | ZAPLATILEK, Ota |

Coffee break (10:20 - 10:45)

Session VI (Internal) (10:45 - 12:00)

| time | [id] title | presenter |
|-------|---|--|
| 10:45 | [13] Refined measurement of the ttZ cross section with full Run II data | DUBOVSKY, Michal (Comenius University (SK)) |
| 11:10 | [17] Tetralepton channel and regularised unfolding in the the refined ttZ measurement | KESZEGHOVA, Lucia (Comenius University (SK)) |
| 11:30 | [20] Measurement of the $\sigma(\bar{t}Z)$ inclusive cross section in the dilepton channel at $\sqrt{s}=13$ TeV with the ATLAS detector | BABAL, Dominik (Slovak Academy of Sciences (SK)) |

Lunch break (12:00 - 13:00)

Closing and Discussion (13:00 - 16:30)