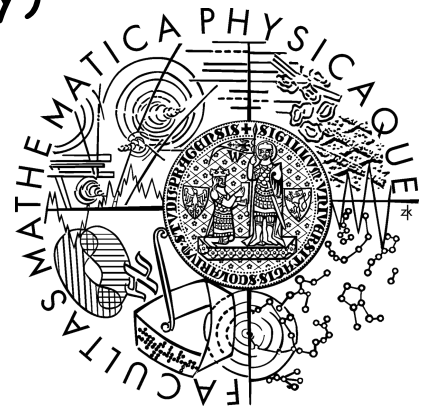


Welcome to CZ-SK HEP workshop

Jana Faltová, Tomáš Davídek (Charles University)

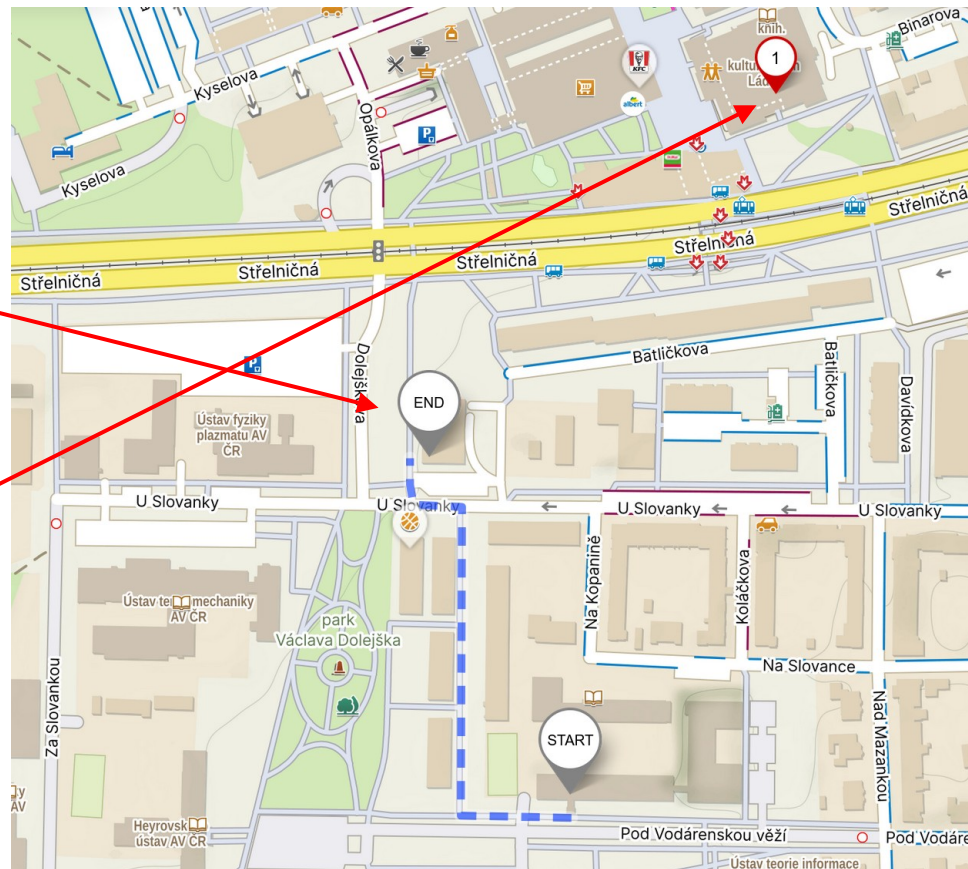


CZ-SK workshops

- Continue in the tradition of CZ-SK HEP workshops
 - Praha 2019 (ATLAS only) <https://indico.cern.ch/event/810353/>
 - Bratislava 2023 <https://indico.cern.ch/event/1245771/>
 - Olomouc 2024 <https://indico.cern.ch/event/1380777/>
 - Tatranska Lomnica 2025
 - Praha 2026 <https://indico.global/event/18068/>
 - organised by Charles University, hosted at FZU

Practical information

- Coffee breaks in the morning and afternoon outside the lecture hall
- Lunches are on your own, options
 - FZU canteen (U Slovanky 5a), seats reserved from 13:00
 - Cobolis restaurant @ Ladvi
 - few other options close to Ladvi metro station
- Conference dinner today at **Cobolis restaurant**
 - be there at 19:00



Agenda on Thursday 10/09

09:00	Welcome <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Tomas Davidek</i> 09:00 - 09:15
	ATLAS highlights <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Jana Faltova</i> 09:15 - 09:45
	Differential Cross-Section Measurements of Higgs Production in Decays to Tauon Pair <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Martin Divisek</i> 09:45 - 10:00
10:00	tbH+ Analysis with Multileptons Using Run-2 ATLAS Data <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Azad Afandizada</i> 10:03 - 10:18
	Higgs boson production in association with a single top tH(Hbb) using the ATLAS detector <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Filip Rucka</i> 10:21 - 10:29
	Coffee break <i>Academy of Science, Sál Dvořák, Prague</i>	10:30 - 11:00
11:00	ATLAS Run 3 measurement of inclusive and differential cross sections of boosted ttZ production in the trilepton channel <i>Dominik Babal et al.</i>	
	Jet energy scale and resolution calibration from hadronically decaying W boson in ttbar events in ATLAS <i>Adriana Dohnalova</i>	
	Charge asymmetry measurement in top-quark pair production using Run2 and partial Run3 data from the ATLAS Experiment <i>Barbora Eckerova et al.</i>	
12:00	Simultaneous Measurement of the Top-Quark Mass and Decay Width with the ATLAS Experiment <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Andrej Durica</i> 12:10 - 12:25
13:00	Lunch break	

1:00	DRD Collaborations, Prague Activities in DRD3 <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Peter Svihra</i> 14:00 - 14:30
	Prague's Contribution to the ATLAS Inner Tracker Upgrade <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Jakub Bucko</i> 14:30 - 14:45
1:00	Effects of irradiation by protons, neutrons, and gamma rays on the electrical and detection properties of 4H-SiC diodes <i>Vojtech Kracmar</i>	
	Efficiency and noise measurements on irradiated samples of H2M Monolithic Active Pixel Sensors <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Ivan Raksanyi</i> 15:06 - 15:14
	OCTOPUS project circuit design overview <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Lukas Kvasnicka</i> 15:16 - 15:24
	Coffee break <i>Academy of Science, Sál Dvořák, Prague</i>	15:30 - 16:00
1:00	IPPOG: Czech and Slovak activities <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Ivan Melo et al.</i> 16:00 - 16:15
	ALICE highlights <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Marek Bombara</i> 16:18 - 16:48
	Hadron-strangeness correlations as a function of multiplicity in the pp collisions with ALICE <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Lucia Anna Tarasovicova</i> 16:48 - 17:03
1:00	Probing jet quenching in OO collisions with ALICE <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Filip Krizek</i> 17:06 - 17:21
	Study of Z-tagged jet substructure in PbPb and pp collisions at 5.36 TeV with the ATLAS experiment <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Emil Lelak</i> 17:24 - 17:39
	Jet nuclear modification measurements with the ATLAS detector <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Mr Franciszek Pawwels</i> 17:42 - 17:57

Agenda on Friday 11/09

09:00	Neutrino Oscillations: Experimental Status and Prospects <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Tomas Nosek</i> 09:00 - 09:15
	Neutrino experiment JUNO and its first results <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Tomas Tmej</i> 09:18 - 09:33
	Recent results from the NA62 experiment <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Michal Lelák</i> 09:36 - 09:51
10:00	Recent results from NA62 <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Matej Karas</i> 09:54 - 10:09
	Simulation and Reconstruction of e+ and e- Trajectories in a Time Projection Chamber with Orthogonal Fields <i>Martin Vavrik</i>	
	Simulation of photon propagation generated by a particle traversing a crystal of arbitrary shape <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Jakub Motýčka</i> 10:22 - 10:30
	Coffee break <i>Academy of Science, Sál Dvořák, Prague</i>	10:30 - 11:00
11:00	Transverse-momentum dependent effects in semi-inclusive DIS at COMPASS <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Vendula Benesova</i> 11:00 - 11:15
	Angular analysis of $B^0 \rightarrow K^0 \mu^+ \mu^-$ decays with the ATLAS detector <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Gokul Duraikandan</i> 11:18 - 11:33
	Performance and Internal Stability of the ATLAS Timepix3 Detector Network during the 2025 van der Meer Scans <i>Catalina Lesmes Ramirez</i>	
12:00	FastFrames - multithreaded analysis framework used by ATLAS collaboration <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Michal Dubovsky</i> 11:54 - 12:09
	Benchmarking Machine Learning Architectures for ttH Multilepton Signal Sensitivity <i>Academy of Science, Sál Dvořák, Prague</i>	<i>Lukáš Viceník</i> 12:12 - 12:27

13:00

14:00

15:00

16:00

Lunch break <i>Academy of Science, Sál Dvořák, Prague</i>		12:30 - 14:00
Quantum information observables at ATLAS <i>Academy of Science, Sál Dvořák, Prague</i>		<i>Ondrej Penc</i> 14:00 - 14:15
Search for QCD instantons in proton–proton collisions at ATLAS using inner detector and ALFA data <i>Academy of Science, Sál Dvořák, Prague</i>		<i>Radek Vavricka</i> 14:18 - 14:33
Signal Generator for Instanton-Induced Processes in Proton-Proton Collisions <i>Academy of Science, Sál Dvořák, Prague</i>		<i>Vojtěch Loubal</i> 14:36 - 14:44
Search for Axion-Like-Particles using di-photon signature with the ATLAS Forward Proton Detector <i>Academy of Science, Sál Dvořák, Prague</i>		<i>Viktoriia Lysenko</i> 14:47 - 15:02
Search for heavy long-lived charged particles at the ATLAS experiment <i>Academy of Science, Sál Dvořák, Prague</i>		<i>Tadeas Petru</i> 15:05 - 15:20
Coffee break <i>Academy of Science, Sál Dvořák, Prague</i>		15:20 - 15:50
ALLEGRO detector concept for FCC-ee <i>Academy of Science, Sál Dvořák, Prague</i>		<i>Filomena Sopkova</i> 15:50 - 16:05
Beyond Standard Model Searches at Future Circular Collider FCC-ee <i>Academy of Science, Sál Dvořák, Prague</i>		<i>Matej Haviernik</i> 16:08 - 16:23
ePIC: Addressing the Next Frontier in QCD <i>Academy of Science, Sál Dvořák, Prague</i>		<i>David Kapukchyan</i> 16:26 - 16:41