Session Program

Jan 14 – 15, 2026

HEP-TEC-2026

Session Contributed talks

Thu, January 15

10:00 AM

Session Contributed talks

Session | **Convener:** Dr Volodymyr Davydovskyy

10:00 – 10:20 AM

DETERMINATION OF THE POLE TOP QUARK MASS FROM LHC EXPERIMENTAL DATA FOR SINGLE- AND DOUBLE-DIFFERENTIAL CROSS-SECTIONS FOR TOP QUARK PAIR PRODUCTION

Speaker
Mr Taras Sliusar

10:20 – 10:40 AM

PROPOSAL FOR UPGRADE OF TRACKING SYSTEMS BY MAPS. FOR EXPERIMENTS CBM AND PANDA (FAIR/GSI)

Speaker
Valery Pugatch

10:40 – 11:00 AM

Integral and differential cross sections of muon pair-production in pp collisions at the LHC

Speaker
Dr Volodymyr Kotlyar

11:00 – 11:20 AM

FROM LHCb TO ENVIRONMENT MONITORING

Speaker
Dr Serhii Chernyshenko

11:20 AM

11:40 AM

Session Contributed talks

Session | **Convener:** Dr Tetiana Obikhod

11:40 AM – 12:00 PM

TIMEPIX-3 IN ELECTRONIC PAINTING

Speaker
Valery Pugatch

12:00 – 12:20 PM

Improvement of the loose kinematic reconstruction method of $t\bar{t}$ using CMS open data

Speaker
Mr Mykyta Spitsyn

12:20 – 12:40 PM

Radiation monitoring system for CBM

Speaker
Dr Dmytro Ramazanov

12:40 – 1:00 PM

SIMULATION OF THE RADIATION MONITORING SYSTEN PROTOTYPE FOR THE CBM EXPERIMENT

Speaker
Oleksandr Kshyvanskyi

1:00 PM

2:10 PM

Session Contributed talks

Session | **Convener:** Dr Tetiana Obikhod

2:10 – 2:30 PM

BGOOD photoproduction experiment: recent results on unconventional baryon stucture study in the light quark sector

Speaker
Mariia Romaniuk

2:30 – 3:00 PM **Timepix and Medipix: an overview of recent progress and some lessons learned**

Speaker
Michael Campbell

3:00 – 3:20 PM

IONIZATION LOSS AND CHARACTERISTIC RADIATION OF HIGH-ENERGY PARTICLES IN ORIENTED CRYSTALS

Speaker
Sergii Trofymenko

3:20 – 3:40 PM

DEPENDENCE OF SELF-INJECTED BUNCH PARAMETERS ON LASER AMPLITUDE IN LWFA WITHIN CONICAL PLASMA CHANNELS

Speaker
Denys Bondar

3:40 – 4:00 PM **BRANCHING RATIOS OF H1,2,3->MuMu IN THE BROKEN-PHASE N2HDM**

Speaker
Mr Ievgenii Petrenko

4:00 PM

4:30 PM

Session Contributed talks

Session | **Convener:** Dr Volodymyr Davydovskyy

4:30 – 5:00 PM

Tracking and recognition of radiation quanta/particles interacting in semiconductor sensors

Speaker
Prof. Stanislav Pospíšil

5:00 – 5:20 PM

MEASUREMENT OF THE CROSS-SECTION PRODUCTION OF V0 HADRONS IN PROTON-PROTON COLLISIONS AT 7 TEV ENERGY IN THE LHCB EXPERIMENT

Speaker
Sergiy Koliev

5:20 – 5:40 PM

Analysis of neutral long-lived kaons reconstruction efficiency via a missing 4-momentum method at Belle II experiment

Speaker
Danylo Kulakov

5:40 – 6:00 PM **Rainbow scattering in multilayered targets**

Speaker
Viktoriia Omelchenko

6:00 – 6:20 PM **Development of GRAiNITA, a next-generation callorimeter technology**

Speaker
Denys Klekots

6:20 – 6:50 PM **Accelerators for the Present and Future of Particle Physics**

Speaker
Maksym Titov

6:50 – 7:00 PM **Summary and closing of HEP-TEC-2026 conference**

Speaker
Dr Volodymyr Davydovskyy

7:00 PM