Session Program

Jan 14 – 15, 2026

HEP-TEC-2026

Session INVITED TALKS.

Wed, January 14

10:00 AM

Session INVITED TALKS.: “Ukraine in HEP achievements and challenges in -2025” 1

Session | **Convener:** Dr Valery Pugatch

10:00 – 10:15 AM **Welcome address**

Speaker
Vasyl Slisenko

10:15 – 10:30 AM **Welcome address**

Speaker
Igor Garkusha

10:30 – 11:00 AM **Status and prospects of LHCb physics at the LHC**

Speaker
Vincenzo Vagnoni

11:00 – 11:30 AM **Probing Cosmic Forms of Matter in the Laboratory: Status of the CBM Experiment**

Speaker
Tetyana Galatiuk

11:30 AM – 12:00 PM **Decay of Z boson to a pair of tau leptons at the LHC: spin effects and New Physics**

Speaker
Alexander Korchin

12:00 – 12:30 PM **Modeling soft physics in heavy ion collision experiments: from GeV to TeV energies**

Speaker
Dr Yuri Sinyukov

12:30 – 1:00 PM

MACROSCOPIC ROTATIONS FOR NEUTRON STARS WITH A DEFORMED EFFECTIVE SURFACE

Speaker
Oleksandr Magner

1:00 PM

2:10 PM

Session INVITED TALKS.: “Ukraine in HEP achievements and challenges in 2025” 2

Session | **Convener:** Dr Valery Pugatch

2:10 – 2:40 PM

ON THE POSSIBILITY OF EXTRACTING ELECTRONS FROM THE BEAM HALO USING BENT CRYSTALS AT DESY

Speaker
Igor Kyryllin

2:40 – 3:10 PM **Isospin-symmetry violation in high-energy collisions**

Speaker
Mark Gorenstein

3:10 – 3:40 PM

RESEARCH OF THE BEHAVIOR OF THE EFFECTIVE POTENTIAL IN SYSTEMS WITH PHASE TRANSITIONS THROUGH THE PRISM OF A–D–E TYPE SINGULARITIES

Speaker
Tetiana Obikhod

3:40 – 4:10 PM **Probing QCD Matter with the Integrated Hydrokinetic Model at RHIC**

Speaker
Musfer Adzhymambetov

4:10 PM

4:30 PM

Session INVITED TALKS.

Session | **Convener:** Valery Pugatch

4:30 – 5:00 PM **The Rating Quality for Theoretical Description of Experimental Data**

Speakers
Sergey Omelchenko, Dr Valery Pugatch

5:00 – 5:30 PM **Determination of the strong coupling from high-energy data**

Speaker
Dr Oleksandr Zenaiev

5:30 – 6:00 PM **Ukrainian ultra-light technologies for novel detectors for particle physics**

Speaker
Dr Ihor Tymchuk

6:00 – 6:30 PM **LHC FOR SEARCH OF ASYPTOPIA (CANCELLED)**

Speaker
Dr Alexander Lengyel

6:30 – 7:00 PM **The Schwinger effect in the early Universe**

Speaker
Dr Oleksandr Sobol

7:00 PM