

Session Program

15-19 Sept 2025



**New Trends in High-Energy Physics 2025
(Dedicated to the memory of Prof. László
Jenkovszky)**

CERN/Observatories

Tuesday 16 September

10:00

CERN/Observatories: I. Chair: Gabriella Cataldi, Co-chair: Antoni Marcinek

Session

10:00–10:25 **Remembering Laszlo Jenkovszky and the discovery of Odderon**

Speaker

Tamás Ferenc Csörgö

10:25–11:00 **Vortex states as a novel tool for nuclear and particle physics**

Speaker

Prof. Igor Ivanov

11:00–11:25 **A decade of GW detections... and much more to come!**

Speaker

Giacomo Ciani

11:25

11:55

CERN/Observatories: II. Chair: Igor Ivanov, Co-chair: Giacomo Ciani

Session

11:55–12:20

Effective interaction of vector bosons of the SM expansion of the Chern-Simons type with fermions of the Standard Model

Speaker

Volodymyr Gorkavenko

12:20–12:45 **The scalar sector in the Georgi-Machacek model**

Speaker

Amine Ahriche

12:45–13:10

New results on $\phi(1020)$ production from the NA61/SHINE experiment at CERN SPS

Speaker

Antoni Marcinek

13:10–13:35 **Highlights from the Pierre Auger Observatory**

Speaker

Laura Valore

13:35–14:00

AugerPrime and the Onset of Phase II at the Pierre Auger Observatory

Speaker

Dr Gabriella Cataldi

14:00