

Session Program

14-15 Dec 2024



XVII Polish Workshop on Relativistic Heavy-Ion Collisions: Phase diagram and Equation of State of strongly interacting matter

Session 3

Warsaw University of Technology, Faculty of Physics
Koszykowa 75 00-662 Warsaw, Poland

Sunday 15 December

09:00

Session 3: Sunday morning

Session | **Location:** Warsaw University of Technology, Faculty of Physics, Koszykowa 75 00-662 Warsaw, Poland | **Conveners:** David Blaschke, Maciej Rybczyński

09:00–09:15 **Alice Forward Calorimeter Upgrade**

Speaker

Jacek Otwinowski

09:15–09:30 **Compressed Baryonic Matter experiment at FAIR**

Speaker

Dr Daniel Wielanek

09:30–09:55 **The earliest phase of relativistic heavy ion collisions**

Speaker

Prof. Stanisław Mrówczyński

09:55–10:20

Antibaryon production in pp interactions at $\sqrt{s} \sim 10$ GeV: statistical hadronization and $p + \bar{p}$ scaling?

Speaker

Prof. Tomek Matulewicz

10:20–10:35

Femtoscopy measurements of the p- Λ and d- Λ systems as a tool for studying the strong interaction parameters

Speaker

Diana Pawłowska-Szymańska

10:35–10:50

Protons femtoscopy with 3D source in Au +Au collisions at $\sqrt{s_{NN}} = 2.4$ GeV

Speaker

Mr Jędrzej Kolaś

10:50–11:05

Photon-photon femtoscopy in Ag+Ag collisions at $\sqrt{s_{NN}} = 2.55$ GeV

Speaker

Mateusz Grunwald

11:05–11:30 **Coffee break**

11:30–11:45

Quantum sensors for HEP: DRD-5: Detector R&D Collaboration for quantum sensors at CERN

Speaker

Georgy Kornakov

11:45-12:00

Towards more precise data analysis with machine-learning-based particle identification with missing data**Speaker**

Lukasz Graczykowski

12:00-12:15

Observation of top-quark pair production in heavy-ion collisions with the ATLAS detector**Speaker**

Patrycja Anna Potepa

12:15-12:30

Effects of jet-medium interactions versus vacuum like emissions on jet azimuthal angular decorrelations**Speaker**

Martin Rohrmoser

12:30-12:45

Abrupt switching from hadronic to partonic degrees of freedom at smooth chiral crossover**Speaker**

Oleksii Ivanytskyi

12:45-13:00

Differential study of Λ -hyperon polarization in central heavy-ion collisions**Speaker**

Mr Oleksandr Vitiuk

13:00-13:15

Integrable equation of state and finite size effect**Speaker**

Xin An

13:15-13:30

Probing QGP through correlations and fluctuations of collective observables**Speaker**

Rupam Samanta

13:30-13:35

XVIII Polish Workshop in 2025**Speakers**

Pawel Piotr Staszal, Roman Josef Planeta, Roman Planeta

13:35