

## CONFERENCE PROGRAMME

Monday, 15 September 2025

09:05 — 12:45 Morning session

09:05 — Bartosz Dziewit, Janusz Gluza, Opening

09:15 — Mikołaj Misiak, *NNLO QCD corrections to  $\bar{B} \rightarrow X_s \gamma$  without interpolation in  $m_c$* 09:45 — Johann Usovitsch, *Kira 3 — What's Next?*10:15 — Alexander Korchin, *Spin effects in the tau-lepton pair induced by anomalous magnetic and electric dipole moments*11:15 — Andrzej Siódmok, *Measurement of  $Q/G$  jets using CMS OpenData*11:45 — Francesco Ucci, *Babayaga@NLO at present and future  $e^+e^-$  colliders*12:15 — Hemant Prasad, *New multinucleon knockout model in NuWro and nuwro approach to reweighting of FSI*

14:30 — 18.00 Afternoon session

14:30 — Samuel Friot, *Automated analytic computation of multiple Mellin-Barnes integrals having polygamma functions in their integrand*15:00 — Andreas Rapakoulis, *NNLO phase-space integrals in Semi-inclusive deep-inelastic scattering*15:30 — Karol Kołodziej, *Monte Carlo phase space integration of multiparticle cross sections*16:30 — German Rodrigo, *Qubits and vacuum amplitudes*17:00 — Wojciech Flieger, *Annihilators and D-modules for Feynman integrals*17:30 — Jungwon Lim, *Recent progress on three-loop Higgs plus jet amplitudes*

Tuesday, 16 September 2025

09:00 — 12:50 Morning session

09:00 — Bohdan Grzadkowski, *Imaginary Scaling*09:30 — Michał Ryzkowski, *Recent developments in SMEFT — theory, tools and phenomenology*10:00 — Tom Steudtner, *Stability of the Higgs Potential in the SM and Extensions*11:00 — Zoltán Trócsányi, *Leptogenesis in  $U(1)$  extensions of the Standard Model*11:30 — Rafael Robson Lino dos Santos, *Stabilizing dark matter with quantum scale symmetry*12:00 — Joris Vergeest, *Lepton flavor mixing and mass ordering preserved in the 3HDM under flavor symmetry*12:25 — Lakshmi Sandhya Mohan, *Hyper-Kamiokande*

15:30 — 17:10 Afternoon session

15:30 — Fred Jegerlehner, *Lepton  $g - 2$  Moments: what they tell us*16:05 — Bennie Ward, *YFS Exponentiated MC Approach to Precision Theory for Collider Physics: Origin, Development, and Outlook*16:40 — Wiesław Płaczek, *Bhabha scattering at future colliders with BHLUMI/BHWIDE*

Wednesday, 17 September 2025

09:00 — 12:55 Morning session

09:00 — Sacha Davidson, *Lepton Flavour Violation*

09:30 — Andrzej Kupść, *Electron positron annihilation into baryon-antibaryon pairs*

10:00 — Andrii Verbytskyi, *Physics case for low- $s$  QCD studies at FCC- $ee$*

11:00 — Alan Price, *YFS for Future and Present  $e^+e^-$  Colliders*

11:30 — Nora Salone, *Weak nonleptonic hyperon decays in ChPT*

12:00 — Zbigniew Waś, *On tests and/or associated projects for precision Monte Carlo*

12:30 — Krzysztof Jodłowski, *Enhancing prospects of sub-GeV majoron at intensity frontier experiments through flavor-changing processes*

Thursday, 18 September 2025

09:00 — 12:30 Morning session

09:00 — Sebastian Sapeta, *Soft limit of QCD amplitudes with external massive quarks*

09:30 — Stéphane Delorme, *Factorisation schemes for proton PDFs*

10:00 — Vaibhav Pathak, *Next-to-Soft-virtual resummation for SIDIS to NNLO + NNLL*

11:00 — Gábor Somogyi, *NNLOCAL: completely local subtractions*

11:30 — William Torres Bobadilla, *Towards NNLO Precision in  $e^+e^- \rightarrow \pi^+\pi^-\gamma$  with PHOKHARA*

12:00 — Saurav Goyal, *NNLO QCD corrections to unpolarized and polarized SIDIS*

14:30 — 19:00 Afternoon session

14:30 — Artur Ankowski, *Neutrino Monte Carlo generators: current state of the art*

15:00 — Monojit Ghosh, *Physics with next generation neutrino experiments: ESSnuSB and others*

15:30 — Alekha Nayak, *Bounds on sterile neutrino lifetime and mixing angle with active neutrinos by global 21 cm signal*

16:30 — Rwik Dharmapal Banerjee, *Spectral function approach in NuWro: modeling of multinucleon final states in quasielastic scattering*

16:55 — Szymon Zięba, *Confronting neutrino mixing-schemes with correlations of oscillation data*

17:15 — Szymon Puławski, *Highlights from the NA61/SHINE experiment at the CERN SPS*

18:00 — Sven-Olaf Moch, *The future of particle physics*

Friday, 19 September 2025

09:00 — 14:30 Morning session

09:00 — Tevong You, *Quantum exploration of the TeV scale at FCC-ee*

09:30 — Károly Sella, *Energy spectrum of magnetic fields at EWPT*

10:00 — Thomas Gajdosik, *Decay rates of heavy neutrinos in the Grimus–Neufeld model*

11:00 — Tomasz Dutka, *Leptogenesis assisted by Bubbles*

11:30 — Aleksandra Piórkowska-Kurpas, *Gravitational Lensing: A Window into the Fundamental Properties of Nature*

12:00 — Federico Sanchez, *Neutrino Cross Sections and Oscillations: Current Status and Open Challenges*

12:30 — Andrzej Czarnecki, *Energy-momentum tensor in subatomic systems*

13:00 — 14:30 Bartosz Dziewit, Janusz Gluza, Closing