Session Program

5–10 Oct 2025

RADCOR 2025 – 17th International Symposium on Radiative Corrections: Applications of Quantum Field Theory to Phenomenology

Coral 1

Empires Hotel, Kalinga Hall
Puri

Monday 6 October

14:30

Coral 1

Session | **Location:** Hotel Empires, Coral Hall-1

14:30–15:00

Locally finite two-loop amplitudes for photoproduction in quark annihilation

Speaker
Roshni Sahoo

15:00–15:30

Numerical integration of colorless final-state production via quark-antiquark annihilation at two-loops: the fermion loop contributions and beyond

Speaker
Matilde Vicini

15:30–16:00

Numerical integration of two-loop corrections to electroweak production at the LHC

Speaker
Dario Kermanschah

16:00

16:30

Coral 1

Session | **Location:** Hotel Empires, Coral Hall-1

16:30–17:00 **Integration techniques for worldline integrals**

Speaker
Christian Schubert

17:00–17:30 **Higher order predictions for Hadronic Higgs decay**

Speaker
Elliot Fox

17:30–18:00 **High-precision black hole scattering at four-loop order**

Speaker
Benjamin Sauer

18:00

Tuesday 7 October

09:00

Coral 1

Session | **Location:** Hotel Empires, Coral Hall-1

09:00–09:30 **Mixed QCD-EW corrections to the Drell-Yan process**

Speaker
Simone Devoto

09:30–10:00
Two-loop planar master integrals for charged current Drell-Yan production of massless electron-positron pair through bottom-antibottom channel

Speaker
Debashis Saha

10:00–10:30
Three loop master integrals for O(ααs2) corrections to quark form factor

Speaker
Tanmoy Pati

10:30–11:00 **Four-loop QCD corrections to the massless axial vector form factor**

Speaker
Amlan Chakraborty

11:00

11:30

Coral 1

Session | **Location:** Hotel Empires, Coral Hall-1

11:30–12:00
Fermionic contributions to the 2-loop EW renormalization of the Neutral Current Drell-Yan process

Speaker
Michele Dradi

12:00–12:30
2-loop QED corrections to the Drell-Yan amplitude and prospects towards full EW results

Speaker
Tommaso Armadillo

13:00

14:30

Coral 1

Session | **Location:** Hotel Empires, Coral Hall-1

14:30–15:00
NNLO QCD Corrections to Neutral and Charged Current Semi-Inclusive Deep-Inelastic Scattering

Speaker
Leonardo Bonino

15:00–15:30 **NNLO QCD corrections to unpolarized and polarized SIDIS**

Speaker
Vaibhav Pathak

15:30–16:00
Soft and virtual corrections to semi-inclusive DIS up to four loops in QCD

Speaker
Saurav Goyal

16:00

16:30

Coral 1

Session | **Location:** Hotel Empires, Coral Hall-1

16:30–17:00 **NLO Deep Inelastic Scattering with massive quarks**

Speaker
Aris-George-Baldur Spourdalakis

17:00–17:30 **Beam Single Spin Asymmetries in SIDIS**

Speaker
Siddhesh Padval

18:00

Thursday 9 October

09:00

Coral 1

Session | **Location:** Hotel Empires, Coral Hall-1

09:00–09:30 **Elliptic leading singularities and canonical integrands**

Speaker
Vasily Sotnikov

09:30–10:00 **Analytic computation of elliptic scattering amplitudes for phenomenological applications**

Speaker
Ekta Chaubey

10:00–10:30 **Canonical differential equations beyond polylogs**

Speaker
Sara Maggio

10:30–11:00 **Analytical and numerical results for scattering amplitudes involving elliptic integrals**

Speaker
Federico Coro

11:00

11:30

Coral 1

Session | **Location:** Hotel Empires, Coral Hall-1

11:30–12:00 **Algorithmic construction of finite integrals in 4 dimensions**

Speaker
Bakul Agarwal

12:00–12:30 **Fast evaluation of Feynman integrals via numerical integration of differential equations**

Speaker
Pau Petit Rosas

12:30–13:00 **Evaluating Feynman Integrals in the Minkowski Regime without Contour Deformation**

Speaker
Anton Olsson

13:00

14:30

Coral 1

Session | **Location:** Hotel Empires, Coral Hall-1

14:30–15:00 **Recursive reduction of two-loop tensor integrals**

Speaker
Fabian Lange

15:00–15:30
Feynman Integral Reduction using Syzygy-Constrained Symbolic Reduction Rules

Speaker
Sid Smith

15:30–16:00 **Intersection Theory and Canonical Differential Equations**

Speaker
Sven Stawinski

16:00

16:30

Coral 1

Session | **Location:** Hotel Empires, Coral Hall-1

16:30–17:00 **Phase space for tests and applications of photos Monte Carlo**

Speaker
Ananya Tapadar

17:00–17:30
Numerical Evaluation of the Two-Loop Dark Matter Power Spectrum in the EFTofLSS

Speaker
Andrea Favorito

17:30–18:00
Effect of anomalous HHH coupling on the decay H → Z Z* → 4 charged leptons

Speaker
Biswajit Das

18:00