

Session Program

26-28 Jun 2023



LoopFest XXI

Session 3

SLAC National Accelerator Laboratory, Kavli Auditorium
2575 Sand Hill Rd, Menlo Park, CA 94025, United States

Monday 26 June

14:00

Session 3: Afternoon Session 1

Session |**Location:** SLAC National Accelerator Laboratory, Kavli Auditorium, 2575 Sand Hill Rd, Menlo Park, CA 94025, United States |**Convener:** Alessandro Vicini

14:00-14:25

Three-Loop Scattering Amplitudes in full color QCD: results in the IR and Regge limit.

Speaker

Giulio Gambuti

14:25-14:50

On the evaluation of three-loop non-planar Feynman diagrams for Higgs plus jet production

Speaker

Dr William J. Torres Bobadilla

14:50-15:15

Master Integrals for Electroweak corrections to $gg \rightarrow \gamma\gamma$

Speaker

Gabriele Fiore

15:15

Tuesday 27 June

14:00

Session 3: Afternoon Session 3

Session |

Location: SLAC National Accelerator Laboratory, Kavli Auditorium, 2575 Sand Hill Rd, Menlo Park, CA 94025, United States |

Convener: Fernando Febres Cordero

14:00-14:25

Interference studies in Higgs to gamma gamma

Speaker

Federica Devoto

14:25-14:50

Non-planar two-loop QCD corrections to $q\bar{q} \rightarrow \gamma\gamma\gamma$: finite remainders in the spinor-helicity formalism

Speaker

Dr Giuseppe DeLaurentis

14:50-15:15

Five-point QCD amplitudes in full colour

Speakers

Federico Buccioni, Federico Buccioni

15:15-15:40

Towards NNLO QCD corrections for the production of a heavy-quark pair in association with a massive boson

Speaker

Chiara Savoini

15:40

Wednesday 28 June

14:00

Session 3: Afternoon Session 5

Session |**Location:** SLAC National Accelerator Laboratory, Kavli Auditorium, 2575 Sand Hill Rd, Menlo Park, CA 94025, United States |**Convener:** Sally Dawson

14:00-14:25

Two-Loop Electroweak Corrections with Fermion Loops to e^+e^- to ZH

Speaker

Qian Song

14:25-14:50

Three-point energy correlator in N=4 and QCD

Speaker

Xiaoyuan Zhang

14:50-15:15

Two-loop mixed QCD-electroweak amplitudes for Z+jet production

Speaker

Piotr Bargiela

15:15