

Session Program

21-23 May 2025



LoopFest XXIII

Session 4

Department of Physics, University of Alberta, CCIS 1-160
Centennial Centre for Interdisciplinary Science, University of Alberta, Edmonton AB T6G 2E9 Canada

Wednesday 21 May

16:55

Session 4: Afternoon Session 2

Session |

Location: Department of Physics, University of Alberta, CCIS 1-160, Centennial Centre for Interdisciplinary Science, University of Alberta, Edmonton AB T6G 2E9 Canada

16:55–17:20 **QCD evolution at four loops**

Speaker

Sven-Olaf Moch

17:20–17:45 **QCD splitting functions beyond kinematical limits**

Speaker

Max Knobbe

17:45–18:10

Subtraction and Residual PDFs: Heavy-quark treatments at higher orders in QCD

Speaker

Marco Guzzi

18:10–18:35 **Revisiting the factorization for single inclusive jet production**

Speaker

Xiaoyuan Zhang

18:35

Thursday 22 May

16:55

Session 4: Afternoon Session 4

Session |

Location: Department of Physics, University of Alberta, CCIS 1-160, Centennial Centre for Interdisciplinary Science, University of Alberta, Edmonton AB T6G 2E9 Canada

16:55-17:20

Towards an OpenLoops +Loop Tree Duality generator

Speaker

Jonas Lindert

17:20-17:45

Towards a general subtraction formula for NNLO QCD corrections to processes at hadron colliders

Speaker

Davide Maria Tagliabue

17:45-18:10

New insights into N-jettiness computations

Speaker

Ivan Agustin Pedron

18:10

Friday 23 May

16:55

Session 4: Afternoon Session 6

Session |

Location: Department of Physics, University of Alberta, CCIS 1-160, Centennial Centre for Interdisciplinary Science, University of Alberta, Edmonton AB T6G 2E9 Canada

16:55–17:20

Consistency of the real 2HDM at seven loops**Speaker**

Carlos Henrique de Lima

17:20–17:45

Dynamical confinement and magnetic traps**Speaker**

Afshin Besharat

17:45