Session Program

19–22 Apr 2022

SCET Workshop 2022

NNNLL and NNLO

University of Bern
Albert Einstein Center for Fundamental Physics Institute for Theoretical Physics Sidlerstrasse 5 CH-3012
Bern Switzerland

Thursday 21 April

09:00

NNNLL and NNLO
Session | **Location:** University of Bern, Room 220, Hauptgebäude

09:00–09:20 **The Drell-Yan q_T Spectrum and Its Uncertainty at N^{3}LL$'$**

Speaker
Johannes Michel

09:30–09:50 **Di-lepton Rapidity Distribution in Drell-Yan Production at N3LO in QCD**

Speaker
Tongzhi Yang

10:00–10:20

Next-to-next-to-leading order parton distribution functions using LCPT

Speaker
Yair Mulian

10:30

14:00

NNNLL and NNLO: Precision
Session | **Location:** University of Bern, Room 220, Hauptgebäude

14:00–14:20 **Analytic two-loop soft and beam functions for leading-jet p_T**

Speaker
Samuel Abreu

14:30–14:50

An automated framework to calculate jet and beam functions at NNLO (remote)

Speaker
Marcel Wald

15:00–15:20

Effective transverse momentum in multiple jet production at hadron colliders

Speaker
Jürg Andreas Haag

15:30–15:50 **Differential Distributions beyond N3LO (remote)**

Speaker
Dr Gherardo Vita

16:00