

第四届量子场论及其应用研讨会

Report of Contributions

Contribution ID: 3

Type: **not specified**

Tame multi-leg Feynman integrals beyond one loop

Contribution ID: 4

Type: **not specified**

Tame multi-leg Feynman integrals beyond one loop

Sunday, 17 November 2024 08:40 (25 minutes)

Presenter: MA, Yan-Qing (Peking University)

Session Classification: 上午报告

Contribution ID: 5

Type: **not specified**

Bootstrapping SU(3) Yang-Mills theory on lattice

Sunday, 17 November 2024 09:05 (25 minutes)

Presenter: YANG, Gang (Institute of Theoretical Physics, CAS)

Session Classification: 上午报告

Contribution ID: 6

Type: **not specified**

Strong interaction origin of hadron mass

Sunday, 17 November 2024 09:30 (25 minutes)

Presenter: YANG, Yi-Bo (ITP/CAS)

Session Classification: 上午报告

Contribution ID: 7

Type: **not specified**

Global analysis of fragmentation functions with high-precision data from the LHC

Sunday, 17 November 2024 10:45 (25 minutes)

Presenter: GAO, Jun (Shanghai Jiao Tong University)

Session Classification: 上午报告

Contribution ID: 8

Type: **not specified**

Three-point Functions in ABJM Theory and Integrable Boundary States

Tuesday, 19 November 2024 10:15 (25 minutes)

Presenter: WU, Jun-Bao (IHEP, CAS)

Session Classification: 上午报告

Contribution ID: 9

Type: **not specified**

All Five-point Kaluza-Klein Correlators and Hidden 8d Symmetry in AdS₅×S³

Sunday, 17 November 2024 11:35 (25 minutes)

Presenter: YUAN, Ye (Z)

Session Classification: 上午报告

Contribution ID: 10

Type: **not specified**

Unregulated Divergences of Feynman Integrals

Sunday, 17 November 2024 14:00 (20 minutes)

Presenter: 陈, 文 (华南师范大学量子物质研究院)

Session Classification: 下午报告

Contribution ID: 11

Type: **not specified**

D 介子单举衰变

Sunday, 17 November 2024 15:20 (20 minutes)

Presenter: QIN, Qin (华中科技大学 (HUST))

Session Classification: 下午报告

Contribution ID: 12

Type: **not specified**

Large N-point energy correlator in the collinear limit

Sunday, 17 November 2024 14:40 (20 minutes)

Presenter: DAI, Lin (Guangxi University)

Session Classification: 下午报告

Contribution ID: 13

Type: **not specified**

Analytic decay width of the Higgs boson to massive bottom quarks at $\mathcal{O}(\alpha_s^3)$

Sunday, 17 November 2024 15:00 (20 minutes)

Presenter: 王烨凡, UNKNOWN

Session Classification: 下午报告

Contribution ID: 14

Type: **not specified**

Combinatorial Geometry and Feynman Integrals

Sunday, 17 November 2024 14:20 (20 minutes)

Presenter: ZHANG 张, Hai-Bin 海斌 (Hebei University 河北大学)

Session Classification: 下午报告

Contribution ID: 15

Type: **not specified**

IBP, dlog-form differential equations, and multivariate hypergeometric solutions of inflation correlators

Sunday, 17 November 2024 16:10 (15 minutes)

Presenter: CHEN, Jiaqi (北京计算科学研究中心 (CSRC))

Session Classification: 下午报告

Contribution ID: 16

Type: **not specified**

Analytic two-Loop four-point form factor in $\mathcal{N}=4$ SYM

Sunday, 17 November 2024 16:25 (15 minutes)

Presenter: GUO, Yuanhong

Session Classification: 下午报告

Contribution ID: 17

Type: **not specified**

Applying color-kinematics duality at three loops in pure YM

Sunday, 17 November 2024 16:40 (15 minutes)

Presenter: 李, 泽宇 (Institute of Theoretical Physics)

Session Classification: 下午报告

Contribution ID: **18**

Type: **not specified**

Generalized Projection and Analyticities in Feynman Integrals

Sunday, 17 November 2024 16:55 (15 minutes)

Presenter: GONG, Jianyu

Session Classification: 下午报告

Contribution ID: 19

Type: **not specified**

Two-Loop Spacelike Collinear Limit in N=4SYM theory

Sunday, 17 November 2024 17:10 (15 minutes)

Presenter: XU, Yongqun (University of Science and Technology of China)

Session Classification: 下午报告

Contribution ID: 20

Type: **not specified**

Intersection theory, relative cohomology and the Feynman parametrization

Sunday, 17 November 2024 17:25 (15 minutes)

Presenter: 芦, 明铭 (Zhejiang University)

Session Classification: 下午报告

Contribution ID: 21

Type: **not specified**

Feynman integral reduction without IBP

Sunday, 17 November 2024 17:40 (15 minutes)

Presenter: 王, 子文

Session Classification: 下午报告

Contribution ID: 22

Type: **not specified**

Factorization of Correlation Function in the Lightlike Limit

Monday, 18 November 2024 08:30 (25 minutes)

Presenter: ZHU, HuaXing (Peking University)

Session Classification: 上午报告

Contribution ID: 23

Type: **not specified**

Universality in the Near Side Energy Correlator

Monday, 18 November 2024 08:55 (25 minutes)

Presenter: LIU, Xiaohui (Beijing Normal University)

Session Classification: 上午报告

Contribution ID: 24

Type: **not specified**

q_T slicing for jets production

Monday, 18 November 2024 09:20 (25 minutes)

Presenter: SHAO, Dingyu (Fudan University)

Session Classification: 上午报告

Contribution ID: 25

Type: **not specified**

Higgs pair production and Perturbative Corrections

Sunday, 17 November 2024 11:10 (25 minutes)

Presenters: LI, Haitao (Shandong University); LI, Haitao (Shandong University)

Session Classification: 上午报告

Contribution ID: 26

Type: **not specified**

Precision Phenomenology towards N3LO QCD

Monday, 18 November 2024 10:40 (25 minutes)

Presenters: CHEN, Xuan (Shandong University); CHEN, Xuan (ShanDong University)

Session Classification: 上午报告

Contribution ID: 27

Type: **not specified**

Exclusive soft function for heavy quark pair production

Monday, 18 November 2024 11:05 (20 minutes)

Presenter: LIU, Zelong (IHEP)

Session Classification: 上午报告

Contribution ID: 28

Type: **not specified**

Towards four-loop splitting functions in QCD

Monday, 18 November 2024 11:25 (20 minutes)

Presenters: YANG, Tongzhi (University of Zurich); YANG, Tongzhi (Zhejiang University)

Session Classification: 上午报告

Contribution ID: 29

Type: **not specified**

DiPion light-cone distribution amplitudes and $H_{\{14\}}$ decays

Monday, 18 November 2024 14:20 (20 minutes)

Presenter: CHENG, Shan (Hunan University)

Session Classification: 下午报告

Contribution ID: 30

Type: **not specified**

Large N-point energy correlator in the collinear limit

Presenter: DAI, Lin (Guangxi University)

Session Classification: 下午报告

Contribution ID: 31

Type: **not specified**

A try for UV divergences in QFT: The Higgs mass, Einstein gravity and dark energy

Monday, 18 November 2024 14:40 (20 minutes)

Presenter: 贾, 连宝 (西南科技大学)

Session Classification: 下午报告

Contribution ID: 32

Type: **not specified**

Are in-medium quark-gluon showers strongly coupled?

Monday, 18 November 2024 15:00 (20 minutes)

Presenter: ELGEDAWY, Omar (South China Normal University)

Session Classification: 下午报告

Contribution ID: 33

Type: **not specified**

Capping the positivity cone in SMEFT

Monday, 18 November 2024 15:40 (15 minutes)

Presenter: HONG, Dongyu (USTC)

Session Classification: 下午报告

Contribution ID: 34

Type: **not specified**

Multi-field positivity bounds, matrix moment problem and UV spectra

Monday, 18 November 2024 15:55 (15 minutes)

Presenter: 万, 诗林 (University of Science and Technology of China)

Session Classification: 下午报告

Contribution ID: 35

Type: **not specified**

Next-to-Next-to-Leading-Order QCD Prediction for the Pion Form Factor

Monday, 18 November 2024 16:10 (15 minutes)

Presenter: 施, 博轩 (南开大学)

Session Classification: 下午报告

Contribution ID: 36

Type: **not specified**

B 工厂中正负电子湮灭产生双粲偶素两圈 QCD 修正

Monday, 18 November 2024 16:25 (15 minutes)

Presenter: 黄, 旭东 (重庆师范大学)

Session Classification: 下午报告

Contribution ID: 37

Type: **not specified**

Electroweak corrections to double Higgs production at the LHC

Tuesday, 19 November 2024 11:30 (15 minutes)

Presenter: 余, 怀敏 (school of physics Peking University)

Session Classification: 上午报告

Contribution ID: 38

Type: **not specified**

Subtraction of $t\bar{t}$ contributions in $tW\bar{b}$ production at one-loop level

Presenter: DONG, Liang (S)

Session Classification: 下午报告

Contribution ID: 39

Type: **not specified**

Collinear expansion and spin-dependent fragmentation functions

Tuesday, 19 November 2024 08:30 (25 minutes)

Presenter: 梁, 作堂 (Shandong University)

Session Classification: 上午报告

Contribution ID: 40

Type: **not specified**

Transports at finite temperature

Tuesday, 19 November 2024 08:55 (25 minutes)

Presenters: HOU, Defu (Hazhong Normal University); HOU, Defu (CCNU)

Session Classification: 上午报告

Contribution ID: 41

Type: **not specified**

Nucleon tomography with jet vetoes

Tuesday, 19 November 2024 09:20 (25 minutes)

Presenter: ZHOU, jian (Shandong University)

Session Classification: 上午报告

Contribution ID: 42

Type: **not specified**

Factorization for Hard Exclusive Reactions: An Everlasting Beautiful Journey

Monday, 18 November 2024 10:15 (25 minutes)

Presenter: WANG, Yu-Ming (TU Munich)

Session Classification: 上午报告

Contribution ID: 43

Type: **not specified**

One-loop radiative corrections in precision neutrino physics

Tuesday, 19 November 2024 10:40 (25 minutes)

Presenter: ZHOU, Shun (高能所)

Session Classification: 上午报告

Contribution ID: 44

Type: **not specified**

Real-Time Dynamics in QFT on a Quantum Computer

Tuesday, 19 November 2024 11:05 (25 minutes)

Presenters: LI, Ying-Ying (USTC); LI, Ying-Ying (USTC)

Session Classification: 上午报告

Contribution ID: 45

Type: **not specified**

Kinematic power corrections to DVCS to twist-six accuracy

Monday, 18 November 2024 11:45 (20 minutes)

Presenter: 姬, 尧

Session Classification: 上午报告

Contribution ID: 46

Type: **not specified**

g5anchor to Anchor γ_5 in Dimensional Regularization

Tuesday, 19 November 2024 14:00 (20 minutes)

Presenter: CHEN, Long (Shandong University)

Session Classification: 下午报告

Contribution ID: 47

Type: **not specified**

On a Unified Procedure for the Canonical Form

Tuesday, 19 November 2024 14:20 (20 minutes)

Presenters: WANG, Xing (Peking University); 王, 星 (Peking University)

Session Classification: 下午报告

Contribution ID: 48

Type: **not specified**

Meson correlators in 4d $N = 2$ SCFTs and hints for 8d structures at weak coupling

Tuesday, 19 November 2024 14:40 (20 minutes)

Presenter: WANG, Bo (IHEP)

Session Classification: 下午报告

Contribution ID: 49

Type: **not specified**

Scale-invariant total decay width $\Gamma(H \rightarrow b\bar{b})$ using the novel method of characteristic operator

Tuesday, 19 November 2024 15:00 (20 minutes)

Presenter: 闫, 江 (重庆大学)

Session Classification: 下午报告

Contribution ID: 50

Type: **not specified**

Celestial Block for Hadron Colliders

Tuesday, 19 November 2024 15:20 (20 minutes)

Presenter: 阮, 洪奕

Session Classification: 下午报告

Contribution ID: 51

Type: **not specified**

Linearized Solitonic Quantization in Scalar Models

Tuesday, 19 November 2024 16:10 (15 minutes)

Presenter: ZHANG, baiyang (Institute of Modern Physics)

Session Classification: 下午报告

Contribution ID: 52

Type: **not specified**

Quasi distribution amplitudes for light octet and decuplet baryons

Tuesday, 19 November 2024 16:25 (15 minutes)

Presenters: 韩, 超 (中科院理论物理研究所); 韩, 超 (兰州大学)

Session Classification: 下午报告

Contribution ID: 53

Type: **not specified**

Power corrections in heavy meson DA within the LaMET procedure

Tuesday, 19 November 2024 16:40 (15 minutes)

Presenter: 张, 家璐 (Shanghai Jiao Tong University)

Session Classification: 下午报告

Contribution ID: 54

Type: **not specified**

Maximizing the decay plane correlation of W boson pair

Tuesday, 19 November 2024 16:55 (15 minutes)

Presenters: FANG, Yijing; 方, 怡静 (高能所)

Session Classification: 下午报告

Contribution ID: 55

Type: **not specified**

Threshold resummation for SIA fragmentation coefficient function

Tuesday, 19 November 2024 17:10 (15 minutes)

Presenters: XU, Zhen (Zhejiang University); XU, Zhen (Zhejiang University)

Session Classification: 下午报告

Contribution ID: 56

Type: **not specified**

Discontinuities of banana integrals in dispersion relation representation

Tuesday, 19 November 2024 17:25 (15 minutes)

Presenter: 陈, 绪梁 (Sun Yat-Sen University)

Session Classification: 下午报告

Contribution ID: 57

Type: **not specified**

Gravitational two-body dynamics at NNNLO

Monday, 18 November 2024 14:00 (20 minutes)

Presenter: LIU, Zhengwen (Southeast University)

Session Classification: 下午报告

Contribution ID: 58

Type: **not specified**

Subtraction of $t\bar{t}$ contributions in $tW\bar{b}$ production at one-loop level

Tuesday, 19 November 2024 11:45 (15 minutes)

Presenter: DONG, Liang (S)

Session Classification: 上午报告

Contribution ID: 59

Type: **not specified**

会议总结

Tuesday, 19 November 2024 17:40 (20 minutes)

Session Classification: 下午报告

Contribution ID: **60**

Type: **not specified**

Coffee Break

Session Classification: 下午报告