

第九届手征有效场论研讨会

Report of Contributions

Contribution ID: 4

Type: **not specified**

相对论重离子碰撞中 QCD 相结构的实验研究进展

Saturday, 19 October 2024 09:10 (20 minutes)

Presenter: 罗晓峰 (华中师范大学)

Session Classification: 19 日上午一

Contribution ID: 5

Type: **not specified**

手征核力与高密核物质的状态方程

Saturday, 19 October 2024 14:20 (20 minutes)

Primary author: 胡金牛 (南开大学)

Presenter: 胡金牛 (南开大学)

Session Classification: 19 日下午一

Contribution ID: 6

Type: **not specified**

开幕致辞

Saturday, 19 October 2024 08:00 (5 minutes)

Session Classification: 开幕

Contribution ID: 7

Type: **not specified**

大会主席致辞

Saturday, 19 October 2024 08:05 (5 minutes)

Presenter: 郑汉青 (四川大学)

Session Classification: 开幕

Contribution ID: 8

Type: **not specified**

多信使天文学时代的中子星状态方程研究

Saturday, 19 October 2024 17:30 (20 minutes)

Presenter: 李昂 (厦大)

Session Classification: 19 日下午二

Contribution ID: 9

Type: **not specified**

基于手征有效理论的高密核物质和引力波研究

Saturday, 19 October 2024 09:30 (20 minutes)

Presenter: 匡永亮 (南京大学)

Session Classification: 19 日上午一

Contribution ID: 10

Type: **not specified**

Axion-light hadron interactions in chiral EFT

Saturday, 19 October 2024 17:50 (20 minutes)

Presenter: 郭志辉 (河北师范大学)

Session Classification: 19 日下午二

Contribution ID: 11

Type: **not specified**

General dark matter-nucleon or -electron scattering in effective field theories

Saturday, 19 October 2024 10:50 (20 minutes)

Presenter: 匡小东 (华南师范大学)

Session Classification: 19 日上午二

Contribution ID: 12

Type: **not specified**

Chiral nuclear force and neutrinoless double beta decay

Saturday, 19 October 2024 11:10 (20 minutes)

Presenter: 尧江明 (中山大学)

Session Classification: 19 日上午二

Contribution ID: 13

Type: **not specified**

Neutrinoless double beta decay within relativistic EFT

Saturday, 19 October 2024 11:30 (20 minutes)

Presenter: 赵鹏巍 (北京大学)

Session Classification: 19 日上午二

Contribution ID: 14

Type: **not specified**

Baryon chiral perturbation theory in the presence of gravitational fields

Saturday, 19 October 2024 14:40 (20 minutes)

Presenter: GEGELIA, Jambul (Ruhr Bochum University)

Session Classification: 19 日下午一

Contribution ID: 15

Type: **not specified**

Exotic hadrons with heavy quarks in EFT approach

Saturday, 19 October 2024 17:10 (20 minutes)

Presenter: NEFEDIV, Alexey (Bonn University)

Session Classification: 19 日下午二

Contribution ID: 16

Type: **not specified**

Hadron-hadron interaction via HALQCD method

Saturday, 19 October 2024 15:20 (20 minutes)

Presenter: 吕岩 (RIKEN)

Session Classification: 19 日下午一

Contribution ID: 17

Type: **not specified**

Isospin breaking effects in hadronic vacuum polarization

Saturday, 19 October 2024 15:40 (20 minutes)

Presenter: RUIZ DE ELVIRA, Jacobo (Complutense University of Madrid and IPARCOS)

Session Classification: 19 日下午一

Contribution ID: 18

Type: **not specified**

Recent developments and applications of nuclear lattice EFT

Saturday, 19 October 2024 11:50 (20 minutes)

Presenter: 吕炳楠 (中国工程物理研究院)

Session Classification: 19 日上午二

Contribution ID: 19

Type: **not specified**

Nuclear shapes in lattice EFT

Saturday, 19 October 2024 15:00 (20 minutes)

Presenter: 申时行 (北京航空航天大学)

Session Classification: 19 日下午一

Contribution ID: 20

Type: **not specified**

Recent progress in covariant chiral nuclear forces

Presenter: 陆俊旭 (北京航空航天大学)

Session Classification: 20 日上午二

Contribution ID: 21

Type: **not specified**

第一性原理计算研究原子核同位旋对称性破缺

Sunday, 20 October 2024 11:10 (20 minutes)

Presenter: 李健国 (中国科学院近代物理研究所)

Session Classification: 20 日上午二

Contribution ID: 22

Type: **not specified**

Study of the $f_0(1710)$ and $a_0(1710)$ states with chiral unitary approach

Sunday, 20 October 2024 09:30 (20 minutes)

Presenter: 肖楮文 (广西师范大学)

Session Classification: 20 日上午一

Contribution ID: 23

Type: **not specified**

The pole structures of the X(1840)/X(1835) and the X(1880)

Monday, 21 October 2024 10:30 (20 minutes)

Presenter: 牛鹏宇 (华南师范大学)

Session Classification: 21 日上午二: Parallel I

Contribution ID: 24

Type: **not specified**

From topological amplitude to rescattering dynamics

Monday, 21 October 2024 17:00 (20 minutes)

Presenter: 王迪 (湖南师范大学)

Session Classification: 21 日下午二

Contribution ID: 25

Type: **not specified**

Relativistic three-body scattering and the $D^0 D^{*+} - D^+ D^{*0}$ system

Monday, 21 October 2024 08:30 (20 minutes)

Presenter: 张旭 (中国科学院理论物理研究所)

Session Classification: 21 日上午一: Parallel II

Contribution ID: 26

Type: **not specified**

$D^{(*)}\bar{B}^{(*)}$ interactions in chiral effective field theory

Presenter: 刘国 (兰州大学)

Session Classification: 21 日上午二: Parallel I

Contribution ID: 27

Type: **not specified**

Nuclear Structure Effects on Hyperfine Splittings in Ordinary and Muonic Deuterium

Sunday, 20 October 2024 10:50 (20 minutes)

Presenter: 计晨 (华中师范大学)

Session Classification: 20 日上午二

Contribution ID: 28

Type: **not specified**

利用手征有效场论核力描述超新星爆炸过程中的中微子过程

Sunday, 20 October 2024 11:30 (20 minutes)

Presenter: 郭刚 (中国地质大学 (武汉))

Session Classification: 20 日上午二

Contribution ID: 29

Type: **not specified**

各向同性热密物质中的 QCD 轴子性质研究

Sunday, 20 October 2024 11:50 (20 minutes)

Presenter: 陆振烟 (湖南科技大学)

Session Classification: 20 日上午二

Contribution ID: 30

Type: **not specified**

Exploring the Depths of Nuclear Matter with an Extended Linear Sigma Model

Monday, 21 October 2024 08:50 (20 minutes)

Presenter: 马国 (南京大学)

Session Classification: 21 日上午一: Parallel II

Contribution ID: 31

Type: **not specified**

Effects of scale symmetry in nuclear matter under relativistic mean field scheme

Monday, 21 October 2024 11:20 (15 minutes)

Presenter: 张璐琦 (南京大学)

Session Classification: 21 日上午二: Parallel II

Contribution ID: 32

Type: **not specified**

LHCb 实验上强子态的研究

Saturday, 19 October 2024 08:50 (20 minutes)

Presenter: 张黎明 (清华大学)

Session Classification: 19 日上午一

Contribution ID: 33

Type: **not specified**

Review of charmed baryons at BESIII

Saturday, 19 October 2024 16:30 (20 minutes)

Presenter: 李培荣 (兰州大学)

Session Classification: 19 日下午二

Contribution ID: 34

Type: **not specified**

Light meson decays at BESIII

Saturday, 19 October 2024 16:50 (20 minutes)

Presenter: 康晓琳 (中国地质大学 (武汉))

Session Classification: 19 日下午二

Contribution ID: 35

Type: **not specified**

Experimental review of muon g-2

Saturday, 19 October 2024 08:30 (20 minutes)

Presenter: 李亮 (上海交通大学)

Session Classification: 19 日上午一

Contribution ID: 36

Type: **not specified**

Glueballs in QCD sum rule

Saturday, 19 October 2024 10:30 (20 minutes)

Presenter: 陈伟 (中山大学)

Session Classification: 19 日上午二

Contribution ID: 37

Type: **not specified**

Hidden charm pentaquark states in the molecular picture

Sunday, 20 October 2024 09:50 (20 minutes)

Presenter: 刘明珠 (兰州大学)

Session Classification: 20 日上午一

Contribution ID: 38

Type: **not specified**

Hadronic light-by-light contribution to muon $g-2$ from lattice QCD

Sunday, 20 October 2024 08:50 (20 minutes)

Presenter: 靳路昶 (康涅狄格大学)

Session Classification: 20 日上午一

Contribution ID: 39

Type: **not specified**

Lattice spectra of DDK three-body system with Lorentz covariant kinematic

Sunday, 20 October 2024 08:30 (20 minutes)

Presenter: 吴佳俊 (中国科学院大学)

Session Classification: 20 日上午一

Contribution ID: 40

Type: **not specified**

Obtaining quark self-energy from chiral perturbation theory

Monday, 21 October 2024 15:40 (20 minutes)

Presenter: 蒋绍周 (广西大学)

Session Classification: 21 日下午一

Contribution ID: 41

Type: **not specified**

Hadron-hadron interaction in SU(3) chiral perturbation theory

Monday, 21 October 2024 15:00 (20 minutes)

Presenter: 黄柏林 (内蒙古大学)

Session Classification: 21 日下午一

Contribution ID: 42

Type: **not specified**

Global Data-Driven Determination of Baryon Transition Form Factors

Monday, 21 October 2024 08:30 (20 minutes)

Presenter: 王宇飞 (中国科学院大学)

Session Classification: 21 日上午一: Parallel I

Contribution ID: 43

Type: **not specified**

核子的引力形状因子

Monday, 21 October 2024 08:50 (20 minutes)

Presenter: 曹雄辉 (中科院理论所)

Session Classification: 21 日上午一: Parallel I

Contribution ID: 44

Type: **not specified**

Di-baryon Scattering form Lattice QCD

Monday, 21 October 2024 09:30 (15 minutes)

Presenter: 耿乙淇 (南京师范大学)

Session Classification: 21 日上午一: Parallel II

Contribution ID: 45

Type: **not specified**

Quark model with hidden local symmetry and its application to the hadron spectrum

Monday, 21 October 2024 17:20 (20 minutes)

Presenter: 何秉然 (南京师范大学)

Session Classification: 21 日下午二

Contribution ID: 46

Type: **not specified**

Isospin Violation Effect and Three-Body Decay of Tcc

Monday, 21 October 2024 16:40 (20 minutes)

Presenter: 孙志峰 (兰州大学)

Session Classification: 21 日下午二

Contribution ID: 48

Type: **not specified**

New insight into the OZI suppression and the $X_0(4140)$, $X_1(4140)$ and $X_1(4685)$ as hadronic molecules

Monday, 21 October 2024 15:20 (20 minutes)

Presenter: 严茂俊 (西南大学)

Session Classification: 21 日下午一

Contribution ID: 49

Type: **not specified**

Study of the structure near proton-antiproton threshold in $J/\psi \rightarrow \gamma 3(\pi^+ \pi^-)$

Monday, 21 October 2024 09:10 (20 minutes)

Presenter: 杨勤鹤 (湖南大学)

Session Classification: 21 日上午一: Parallel II

Contribution ID: 50

Type: **not specified**

The m_π dependence of σ and $N^*(920)$ within linear σ model

Monday, 21 October 2024 09:10 (20 minutes)

Presenter: 李衢智 (四川大学)

Session Classification: 21 日上午一: Parallel I

Contribution ID: 52

Type: **not specified**

Light quark mass dependence of nucleon mass to two-loop order

Monday, 21 October 2024 09:45 (15 minutes)

Presenter: 胡思危 (中国科学院高能物理研究所)

Session Classification: 21 日上午一: Parallel I

Contribution ID: 53

Type: **not specified**

The Λ_c^+ Electromagnetic Form Factors

Monday, 21 October 2024 11:20 (15 minutes)

Presenter: 陈诚 (中科院近物所)

Session Classification: 21 日上午二: Parallel I

Contribution ID: 54

Type: **not specified**

Study of the electromagnetic form factors of neutral Goldstone mesons and their contribution to muon ($g-2$)

Monday, 21 October 2024 11:35 (15 minutes)

Presenter: 张一豪 (广西大学)

Session Classification: 21 日上午二: Parallel II

Contribution ID: 55

Type: **not specified**

Two-pseudoscalar-meson decay of resonances dynamically generated by two vector mesons

Monday, 21 October 2024 11:05 (15 minutes)

Presenter: 沈清华 (中科院近物所)

Session Classification: 21 日上午二: Parallel I

Contribution ID: 56

Type: **not specified**

Pion condensation in QCD at finite isospin density

Monday, 21 October 2024 10:30 (20 minutes)

Presenter: 余青 (西南科技大学)

Session Classification: 21 日上午二: Parallel II

Contribution ID: 57

Type: **not specified**

Insights into Neutron Star Equation of State by Machine Learning

Monday, 21 October 2024 10:50 (15 minutes)

Presenter: 郭凌君 (国科大杭州高等研究院)

Session Classification: 21 日上午二: Parallel II

Contribution ID: 58

Type: **not specified**

Baryons as Vortexes on the η' Domain Wall

Monday, 21 October 2024 11:05 (15 minutes)

Presenter: 林凡 (国科大杭州高等研究院)

Session Classification: 21 日上午二: Parallel II

Contribution ID: 59

Type: **not specified**

The triangle singularity explanation of the $\phi(2170)$ state in the $e^+e^- \rightarrow \phi\pi^+\pi^-$ reaction

Monday, 21 October 2024 10:50 (15 minutes)

Presenter: 魏祥 (中科院近物所)

Session Classification: 21 日上午二: Parallel I

Contribution ID: 60

Type: **not specified**

非淬火图像下粲重子和粲奇异介子的谱学与电磁衰变研究

Monday, 21 October 2024 11:35 (15 minutes)

Presenter: 张紫乐 (兰州大学)

Session Classification: 21 日上午二: Parallel I

Contribution ID: 61

Type: **not specified**

Charmonium-like states with the exotic quantum number $J^{PC} = 3^{-+}$

Monday, 21 October 2024 09:45 (15 minutes)

Presenter: 席洪洲 (东南大学)

Session Classification: 21 日上午一: Parallel II

Contribution ID: 62

Type: **not specified**

Flavor asymmetry from the non-perturbative nucleon sea

Monday, 21 October 2024 11:50 (15 minutes)

Presenter: 段奕含 (中国科技大学)

Session Classification: 21 日上午二: Parallel II

Contribution ID: 63

Type: **not specified**

Hyperon Time-like Electromagnetic Form Factors in VMD model

Saturday, 19 October 2024 09:50 (20 minutes)

Presenter: 谢聚军 (中科院近物所)

Session Classification: 19 日上午一

Contribution ID: 64

Type: **not specified**

Flavor content of Lambda(1405)

Sunday, 20 October 2024 10:30 (20 minutes)

Presenter: 刘晓海 (天津大学)

Session Classification: 20 日上午二

Contribution ID: 65

Type: **not specified**

Review of Sigma(1380)

Monday, 21 October 2024 14:20 (20 minutes)

Presenter: 王恩 (郑州大学)

Session Classification: 21 日下午一

Contribution ID: 66

Type: **not specified**

基于手征有效场论的双粲重子研究

Monday, 21 October 2024 14:40 (20 minutes)

Presenter: 梁泽锐 (河北师范大学)

Session Classification: 21 日下午一

Contribution ID: 67

Type: **not specified**

Revisiting $O(N)$ sigma model at unphysical pion masses and high temperatures

Monday, 21 October 2024 16:20 (20 minutes)

Presenter: 肖志广 (四川大学)

Session Classification: 21 日下午二

Contribution ID: 68

Type: **not specified**

ρ^0 production and pion pair production by linearly polarized photon in UPCs and e^+e^- collisions

Sunday, 20 October 2024 09:10 (20 minutes)

Presenter: 周雅瑾 (山东大学)

Session Classification: 20 日上午一

Contribution ID: 69

Type: **not specified**

Chiral Lagrangian matching: external sources vs spurions

Monday, 21 October 2024 09:30 (15 minutes)

Presenter: 孙浩 (中科院理论所)

Session Classification: 21 日上午一: Parallel I

Contribution ID: 70

Type: **not specified**

海报颁奖

Monday, 21 October 2024 17:40 (10 minutes)

Session Classification: 闭幕

Contribution ID: 72

Type: **not specified**

Correlation function and the inverse problem in the BD interaction

Monday, 21 October 2024 11:50 (15 minutes)

Presenter: 李海鹏 (广西师范大学)

Session Classification: 21 日上午二: Parallel I

Contribution ID: 73

Type: **not specified**

Study of possible DND^* states

Saturday, 19 October 2024 16:00 (30 minutes)

海报

Presenter: MONTESINOS, Victor (IFIC (Valencia, Spain))

Session Classification: 海报展示

Contribution ID: 74

Type: **not specified**

Study of the decay $D^0 \rightarrow K^+ K^- \eta$

Saturday, 19 October 2024 16:00 (30 minutes)

Presenter: RAHMANI, Sara (湖南大学)

Session Classification: 海报展示

Contribution ID: 75

Type: **not specified**

A Lattice QCD study of the low-energy interactions of doubly charmed baryons

Saturday, 19 October 2024 16:00 (30 minutes)

Presenter: 义景宇 (湖南大学)

Session Classification: 海报展示

Contribution ID: 76

Type: **not specified**

Pion-Nucleon Scattering with Decuplet Contribution in SU(3) Chiral Perturbation Theory

Saturday, 19 October 2024 16:00 (30 minutes)

Presenter: 欧阳菁 (内蒙古大学)

Session Classification: 海报展示

Contribution ID: 77

Type: **not specified**

Isospin-breaking contribution to the model-independent axion-photon-photon coupling in U(3) chiral theory

Saturday, 19 October 2024 16:00 (30 minutes)

Presenter: 郝津 (河北师范大学)

Session Classification: 海报展示

Contribution ID: 78

Type: **not specified**

Axion-pion scattering at finite temperature in chiral perturbation theory and its influence in axion thermalization

Saturday, 19 October 2024 16:00 (30 minutes)

Presenter: 王金葆 (河北师范大学)

Session Classification: 海报展示

Contribution ID: 79

Type: **not specified**

The evaluation of the relativistic chiral nuclear force using the Nuclear Force nucleon-nucleon scattering observables

Saturday, 19 October 2024 16:00 (30 minutes)

Presenter: 温叶斌 (北京航空航天大学)

Session Classification: 海报展示

Contribution ID: 80

Type: **not specified**

Production of Exotic States in Electron-positron Collisions Based on a Transport and Coalescence Model

Saturday, 19 October 2024 16:00 (30 minutes)

Presenter: 褚胤涵 (北京航空航天大学)

Session Classification: 海报展示

Contribution ID: 81

Type: **not specified**

Theoretical interpretation of the $\Xi(1620)$ and $\Xi(1690)$ resonances seen in $\Xi_c^+ \rightarrow \Xi^- \pi^+ \pi^+$ decay

Saturday, 19 October 2024 16:00 (30 minutes)

Presenter: 李海鹏 (广西师范大学)

Session Classification: 海报展示

Contribution ID: 82

Type: **not specified**

合影

Saturday, 19 October 2024 08:10 (20 minutes)

Session Classification: 开幕

Contribution ID: 83

Type: **not specified**

Revisiting $O(N)$ σ model at unphysical pion masses and high temperatures

Saturday, 19 October 2024 16:00 (30 minutes)

Presenter: 吕源林 (北京大学)

Session Classification: 海报展示

Contribution ID: **84**

Type: **not specified**

会议总结

Monday, 21 October 2024 17:50 (10 minutes)

Presenter: 廖益

Session Classification: 闭幕