

第二届无中微子双贝塔衰变及 相关物理研讨会

Report of Contributions

Contribution ID: 17

Type: **not specified**

领导和参会代表致辞

Saturday, 20 May 2023 08:30 (20 minutes)

Contribution ID: **20**

Type: **not specified**

注册

Friday, 19 May 2023 14:00 (5 hours)

Contribution ID: 29

Type: **not specified**

Light and heavy Majorana neutrinos: costs and rewards

Saturday, 20 May 2023 09:05 (30 minutes)

Presenter: 邢, 志忠 (中国科学院高能物理研究所)

Session Classification: Session 1

Contribution ID: 44

Type: **not specified**

NvDEx 实验进展

Sunday, 21 May 2023 08:55 (25 minutes)

Presenter: 仇, 浩 (中国科学院近代物理研究所)

Session Classification: Session 1

Contribution ID: 45

Type: **not specified**

JUNO- $0\nu\beta\beta$ 研究进展

Sunday, 21 May 2023 08:30 (25 minutes)

Presenter: 李, 高嵩 (中国科学院高能物理研究所)

Session Classification: Session 1

Contribution ID: 46

Type: **not specified**

锦屏低温晶体量热器无中微子双贝塔衰变实验研究进展

Sunday, 21 May 2023 09:20 (25 minutes)

Presenter: 马, 龙 (复旦大学)

Session Classification: Session 1

Contribution ID: 47

Type: **not specified**

TeV Scale Lepton Number Violation: Connecting Neutrinoless Double Beta Decay, Colliders, and Cosmology

Sunday, 21 May 2023 10:10 (30 minutes)

Presenter: RAMSEY-MUSOLF, Michael (TDLI/UMass)

Session Classification: Session 2

Contribution ID: 48

Type: **not specified**

Cosmological constraints on new physics in 0vbb

Sunday, 21 May 2023 10:40 (25 minutes)

Presenter: 许, 勋杰 (中国科学院高能物理研究所)

Session Classification: Session 2

Contribution ID: 49

Type: **not specified**

轻子生成介绍

Sunday, 21 May 2023 11:05 (25 minutes)

Presenter: 赵, 振华 (辽宁师范大学)

Session Classification: Session 3

Contribution ID: 50

Type: **not specified**

EFT approach for lepton number violating processes beyond nuclear $0\nu\beta\beta$

Sunday, 21 May 2023 11:30 (20 minutes)

Presenter: 马, 小东 (华南师范大学)

Session Classification: Session 3

Contribution ID: 51

Type: **not specified**

Colored Zee-Babu 模型的无中微子双贝塔衰变

Sunday, 21 May 2023 11:50 (20 minutes)

Presenter: 肖, 雨奇 (华中师范大学)

Session Classification: Session 3

Contribution ID: 53

Type: **not specified**

Axially deformed relativistic Hartree-Fock-Bogoliubov model and the applications in unstable nuclei

Sunday, 21 May 2023 14:30 (25 minutes)

Presenter: 龙, 文辉 (兰州大学)

Session Classification: Session 4

Contribution ID: 54

Type: **not specified**

通过无中微子双贝塔衰变约束左右对称模型

Sunday, 21 May 2023 14:55 (25 minutes)

Presenter: 房, 栋梁 (中国科学院近代物理研究所)

Session Classification: Session 4

Contribution ID: 59

Type: **not specified**

热轻子生成机制的可检验性

Presenter: 周, 也铃 (中国科学院杭州高等研究院)

Session Classification: Session 7

Contribution ID: 62

Type: **not specified**

锦屏地下实验室液闪方案的无中微子双贝塔衰变寻找

Monday, 22 May 2023 08:30 (25 minutes)

Presenter: 续, 本达 (清华大学)

Session Classification: Session 1

Contribution ID: 63

Type: **not specified**

CUPID-CJPL 实验深冷低温半导体温度传感器 NTD-Ge 及其读出电子学

Monday, 22 May 2023 08:55 (20 minutes)

Presenter: 薛, 明萱 (中国科学技术大学)

Session Classification: Session 1

Contribution ID: 64

Type: **not specified**

PandaX-III 实验中粒子径迹特征分析方法与灵敏度估算

Monday, 22 May 2023 09:15 (20 minutes)

Presenter: 李, 涛 (中山大学)

Session Classification: Session 1

Contribution ID: 66

Type: **not specified**

Search for Two-neutrino Double-Beta Decay of Xe-136 to the 0^+_{1} excited state of Ba-136 with the Complete EXO-200 Dataset

Monday, 22 May 2023 10:20 (20 minutes)

Presenter: 付, 亚圣 (中国科学院高能物理研究所)

Session Classification: Session 2

Contribution ID: 67

Type: **not specified**

重马约拉纳中微子与温伯格算符

Monday, 22 May 2023 10:40 (20 minutes)

Presenter: 彭, 靖 (北京大学)

Session Classification: Session 2

Contribution ID: 68

Type: **not specified**

基于相对论 Hartree-Fock 理论的张量力研究

Monday, 22 May 2023 11:00 (20 minutes)

Presenter: 王, 之恒 (兰州大学)

Session Classification: Session 3

Contribution ID: 69

Type: **not specified**

SD 对壳模型下无中微子双贝塔衰变的研究

Monday, 22 May 2023 11:20 (20 minutes)

Presenter: 张, 思遥 (南开大学)

Session Classification: Session 3

Contribution ID: 70

Type: **not specified**

共振 P 波相互作用的有效场理论

Monday, 22 May 2023 11:40 (20 minutes)

Presenter: 吕, 松林 (四川大学)

Session Classification: Session 3

Contribution ID: 71

Type: **not specified**

Decoherence in Neutrino Oscillations

Monday, 22 May 2023 14:45 (20 minutes)

Presenter: CIUFFOLI, Emilio (中国科学院近代物理研究所)

Session Classification: Session 4

Contribution ID: 73

Type: **not specified**

喷注电荷在电弱以及希格斯物理中的应用

Monday, 22 May 2023 15:05 (20 minutes)

Presenter: 岩, 斌 (中国科学院高能物理研究所)

Session Classification: Session 4

Contribution ID: 74

Type: **not specified**

Probing EWPT in 2HDM with LHC and Future Lepton Colliders

Monday, 22 May 2023 15:25 (20 minutes)

Presenter: 苏, 伟 (中山大学)

Session Classification: Session 4

Contribution ID: 76

Type: **not specified**

统计方法在无中微子双贝塔衰变核矩阵元计算中的应用

Monday, 22 May 2023 16:30 (20 minutes)

Presenter: 张, 馨 (中山大学)

Session Classification: Session 5

Contribution ID: 77

Type: **not specified**

基于天文观测的超子核子相互作用以及超子星性质研究

Monday, 22 May 2023 16:50 (20 minutes)

Presenter: 孙, 向东 (厦门大学)

Session Classification: Session 5

Contribution ID: 78

Type: **not specified**

Axionlike dark matter arising from the type-II seesaw mechanism

Sunday, 21 May 2023 15:20 (25 minutes)

Presenter: 晁, 伟 (北京师范大学)

Session Classification: Session 5

Contribution ID: 79

Type: **not specified**

Gravitational Waves Related to Particle Physics and Connections to Neutrino Physics

Sunday, 21 May 2023 15:45 (20 minutes)

Presenter: 郭, 怀珂 (中国科学院大学)

Session Classification: Session 5

Contribution ID: **81**

Type: **not specified**

Constraining phase transitions with cosmological observations

Sunday, 21 May 2023 17:20 (25 minutes)

Presenter: 边, 立功 (重庆大学)

Session Classification: Session 7

Contribution ID: 82

Type: **not specified**

用于 $0\nu\beta\beta$ 衰变实验极低温 TES 超导薄膜的制备及表征

Monday, 22 May 2023 10:00 (20 minutes)

Presenter: 刘, 舟慧 (中国科学院高能物理研究所)

Session Classification: Session 2

Contribution ID: 84

Type: **not specified**

有效场论方法在核物理中的应用

Sunday, 21 May 2023 16:30 (25 minutes)

Presenter: 龙, 炳蔚 (四川大学)

Session Classification: Session 6

Contribution ID: 85

Type: **not specified**

原子核格点有效场论进展

Sunday, 21 May 2023 16:55 (25 minutes)

Presenter: 吕, 炳楠 (中国工程物理研究院)

Session Classification: Session 6

Contribution ID: 102

Type: **not specified**

贝塔衰变与无中微子贝塔衰变之间的密切联系

Sunday, 21 May 2023 17:45 (20 minutes)

Presenter: 杜, 勇 (上海交大李政道研究所)

Session Classification: Session 7

Contribution ID: **103**

Type: **not specified**

Type-II seesaw leptogenesis

Monday, 22 May 2023 14:20 (25 minutes)

Presenter: 韩, 成成 (中山大学)

Session Classification: Session 4

Contribution ID: 104

Type: **not specified**

无中微子双贝塔衰变的格点计算

Monday, 22 May 2023 16:10 (20 minutes)

Presenter: 王, 子毓 (北京大学)

Session Classification: Session 5

Contribution ID: 105

Type: **not specified**

CDEX-300v 无中微子双贝塔衰变实验进展

Saturday, 20 May 2023 09:35 (25 minutes)

Presenter: 杨, 丽桃 (清华大学)

Session Classification: Session 2

Contribution ID: 106

Type: **not specified**

Double beta decay and neutrino physics in PandaX-4T

Saturday, 20 May 2023 10:00 (25 minutes)

Presenter: 王, 秋红 (复旦大学)

Session Classification: Session 2

Contribution ID: 107

Type: **not specified**

有效场论观点下的中微子质量和 $0\nu\beta\beta$

Saturday, 20 May 2023 10:50 (25 minutes)

Presenter: 于, 江浩 (中国科学院理论物理研究所)

Session Classification: Session 3

Contribution ID: **108**

Type: **not specified**

Cosmological implications for neutrino physics

Saturday, 20 May 2023 11:15 (25 minutes)

Presenter: WONG, Yvonne (U. Of New South Wales)

Session Classification: Session 3

Contribution ID: 109

Type: **not specified**

Hadron-hadron interactions in covariant baryon chiral perturbation theory

Saturday, 20 May 2023 11:40 (25 minutes)

Presenter: 耿, 立升 (北京航空航天大学)

Session Classification: Session 4

Contribution ID: **110**

Type: **not specified**

Test and predict $0\nu\beta\beta$ decay with other observables

Saturday, 20 May 2023 12:05 (25 minutes)

Presenter: MENÉNDEZ , Javier (U. of Barcelona)

Session Classification: Session 4

Contribution ID: 111

Type: **not specified**

An effective field theory framework for neutrinoless double beta decay

Saturday, 20 May 2023 14:20 (25 minutes)

Presenter: DE VRIES, Jordy (U. of Amsterdam / NIKHEF)

Session Classification: Session 5

Contribution ID: 112

Type: **not specified**

UV completions of $0\nu\beta\beta$ decay operators at one-loop

Saturday, 20 May 2023 14:45 (25 minutes)

Presenter: 丁, 桂军 (中国科学技术大学)

Session Classification: Session 5

Contribution ID: 113

Type: **not specified**

Lattice QCD calculation of neutrinoless double beta decay

Saturday, 20 May 2023 15:10 (20 minutes)

Presenter: 脱, 心宇 (北京大学)

Session Classification: Session 5

Contribution ID: 114

Type: **not specified**

基于密度泛函理论对双贝塔衰变和中间态的研究

Saturday, 20 May 2023 15:55 (25 minutes)

Presenter: 白, 春林 (四川大学)

Session Classification: Session 6

Contribution ID: 115

Type: **not specified**

$0\nu\beta\beta$ -decay NMEs in self-consistent Skyrme QRPA: uncertainty from pairing interaction

Saturday, 20 May 2023 16:20 (25 minutes)

Presenter: 牛, 一斐 (兰州大学)

Session Classification: Session 6

Contribution ID: 117

Type: **not specified**

$0\nu\beta\beta$ 衰变及其与双 Gamow-Teller 跃迁的关联性研究

Saturday, 20 May 2023 16:45 (20 minutes)

Presenter: 王, 亚坤 (北京大学)

Session Classification: Session 6

Contribution ID: 118

Type: **not specified**

Neutrinoless double beta decay in the Seesaw model

Saturday, 20 May 2023 17:05 (25 minutes)

Presenter: 李, 玉峰 (中国科学院高能物理研究所)

Session Classification: Session 7

Contribution ID: 119

Type: **not specified**

核子矩阵元计算对未来无中微子双贝塔衰变实验的影响

Saturday, 20 May 2023 17:30 (20 minutes)

Presenter: 朱, 景宇 (上海交通大学)

Session Classification: Session 7

Contribution ID: 120

Type: **not specified**

总结

Monday, 22 May 2023 17:10 (20 minutes)

Presenter: 廖, 益 (华南师范大学)

Session Classification: Session 6