

第二届惠州大科学装置高精度
物理研讨会—暨基于 **HIAF** 加速
器集群的缪子科学与技术研讨
会

Report of Contributions

Contribution ID: 2

Type: **not specified**

会议总结

Monday, 26 August 2024 11:55 (10 minutes)

Presenter: CHEN, Xurong

Contribution ID: 5

Type: **not specified**

蔡汉杰：CiADS 及缪子源

Saturday, 24 August 2024 09:10 (35 minutes)

Session Classification: 大会报告

Contribution ID: 6

Type: **not specified**

冒立军：**HIAF** 工程进展

Saturday, 24 August 2024 10:15 (35 minutes)

Session Classification: 大会报告

Contribution ID: 7

Type: **not specified**

张鹏鸣：涡旋束流

Saturday, 24 August 2024 10:50 (35 minutes)

Session Classification: 大会报告

Contribution ID: 8

Type: **not specified**

唐健：缪子与新物理

Saturday, 24 August 2024 14:30 (35 minutes)

Session Classification: 大会报告

Contribution ID: 9

Type: **not specified**

Shunzo Kumano: Neutrinos for hadron structure

Saturday, 24 August 2024 15:05 (35 minutes)

Session Classification: 大会报告

Contribution ID: **10**

Type: **not specified**

姚德良：低能中微子核子散射

Saturday, 24 August 2024 15:40 (25 minutes)

Session Classification: 大会报告

Contribution ID: 12

Type: **not specified**

仇浩：Huizhou-eta 工厂计划

Saturday, 24 August 2024 16:35 (35 minutes)

Session Classification: 大会报告

Contribution ID: 14

Type: **not specified**

王晓冬：缪子成像技术及其多学科交叉应用

Sunday, 25 August 2024 08:30 (35 minutes)

Session Classification: 大会报告

Contribution ID: 15

Type: **not specified**

许金祥：基于电子加速器的高重复频率脉冲缪子源

Sunday, 25 August 2024 09:05 (25 minutes)

Primary author: KHAW, Kim Siang (Shanghai Jiao Tong University)

Presenter: KHAW, Kim Siang (Shanghai Jiao Tong University)

Session Classification: 大会报告

Contribution ID: 16

Type: **not specified**

王荣: 缪原子和缪子寿命测量

Sunday, 25 August 2024 09:30 (35 minutes)

Session Classification: 大会报告

Contribution ID: 17

Type: **not specified**

计晨：缪原子高精度计算

Sunday, 25 August 2024 10:35 (35 minutes)

Session Classification: 大会报告

Contribution ID: **18**

Type: **not specified**

葛韶锋：**CP** 测量中的新物理效应

Sunday, 25 August 2024 11:10 (25 minutes)

Session Classification: 大会报告

Contribution ID: 19

Type: **not specified**

李玉峰：惰性中微子

Sunday, 25 August 2024 11:35 (25 minutes)

Session Classification: 大会报告

Contribution ID: 20

Type: **not specified**

宋宁强：中微子散射及其新物理

Sunday, 25 August 2024 14:30 (25 minutes)

Session Classification: 大会报告

Contribution ID: 21

Type: **not specified**

史君：eta 理论

Sunday, 25 August 2024 14:55 (25 minutes)

Session Classification: 大会报告

Contribution ID: 22

Type: **not specified**

杜勇：核子宇称破坏理论

Sunday, 25 August 2024 15:20 (35 minutes)

Session Classification: 大会报告

Contribution ID: 23

Type: **not specified**

Soo-Bong Kim : 中微子相干散射

Sunday, 25 August 2024 16:25 (25 minutes)

Session Classification: 大会报告

Contribution ID: 24

Type: **not specified**

郭爱强：超核物理

Sunday, 25 August 2024 16:50 (25 minutes)

Session Classification: 大会报告

Contribution ID: 25

Type: **not specified**

闫海洋：中子物理

Sunday, 25 August 2024 17:15 (35 minutes)

Session Classification: 大会报告

Contribution ID: 26

Type: **not specified**

刘佳：QCD 轴子与强子物理

Sunday, 25 August 2024 17:50 (25 minutes)

Session Classification: 大会报告

Contribution ID: 27

Type: **not specified**

孙铭辰：缪子自旋谱仪的样机研制

Monday, 26 August 2024 09:00 (25 minutes)

Session Classification: 大会报告

Contribution ID: 29

Type: **not specified**

张硕：低温超导探测器与 β 衰变谱测量

Monday, 26 August 2024 09:50 (35 minutes)

Session Classification: 大会报告

Contribution ID: **30**

Type: **not specified**

谢亚平：中微子和核子三维结构

Monday, 26 August 2024 10:55 (25 minutes)

Session Classification: 大会报告

Contribution ID: 32

Type: **not specified**

赵诗涵：正反缪子素转化实验（**MACE**）的概念设计

Monday, 26 August 2024 14:30 (40 minutes)

The spontaneous conversion of muonium to antimuonium is one of the interesting charged lepton flavor violation phenomena, offering a sensitive probe of potential new physics and serving as a tool to constrain the parameter space beyond the Standard Model. Utilizing a high-intensity muon beam, a Michel electron magnetic spectrometer and a positron transport solenoid together with a positron detection system, MACE aims to discover or constrain this rare process at the conversion probability beyond the level of 10^{-13} . This report provides an overview of the theoretical framework and detailed experimental design in the search for the muonium-to-antimuonium conversion.

Session Classification: MACE 实验卫星研讨会

Contribution ID: 33

Type: **not specified**

程炜滨：定时计数器的设计方案

Monday, 26 August 2024 15:35 (25 minutes)

Session Classification: MACE 实验卫星研讨会

Contribution ID: 34

Type: **not specified**

李奇特：PKMu 缪子散射实验的初步进展与展望

Monday, 26 August 2024 09:25 (25 minutes)

Session Classification: 大会报告

Contribution ID: 35

Type: **not specified**

房双世：BESIII eta 实验

Saturday, 24 August 2024 17:10 (25 minutes)

Session Classification: 大会报告

Contribution ID: 36

Type: **not specified**

张瑞田：高电荷态原子物理过程高分辨率测量及天体 X
射线建模

Session Classification: 大会报告

Contribution ID: 37

Type: **not specified**

夏佳文院士：开幕致辞

Saturday, 24 August 2024 09:00 (5 minutes)

Session Classification: 开幕式

Contribution ID: 38

Type: **not specified**

郭东辉院长：开幕致辞

Saturday, 24 August 2024 09:05 (5 minutes)

Session Classification: 开幕式

Contribution ID: 39

Type: **not specified**

吴佳俊：中微子产生奇特态

Monday, 26 August 2024 11:20 (35 minutes)

Session Classification: 大会报告

Contribution ID: 40

Type: **not specified**

蔡汉杰：CiADS 缪子束流设计

Monday, 26 August 2024 15:10 (25 minutes)

Session Classification: MACE 实验卫星研讨会

Contribution ID: 41

Type: **not specified**

陈思远：MACE 量能器设计及 **Phase-I** 方案

Monday, 26 August 2024 17:20 (25 minutes)

Session Classification: MACE 实验卫星研讨会

Contribution ID: 42

Type: **not specified**

鲁桂昊：正电子输运系统

Monday, 26 August 2024 16:30 (25 minutes)

Session Classification: MACE 实验卫星研讨会

Contribution ID: 43

Type: **not specified**

黄胤元：MACE Phase-I 塑闪光纤径迹探测器

Monday, 26 August 2024 17:45 (25 minutes)

Session Classification: MACE 实验卫星研讨会

Contribution ID: 44

Type: **not specified**

妙晗：MCP 的模拟

Monday, 26 August 2024 16:55 (25 minutes)

Session Classification: MACE 实验卫星研讨会