

第二届量子计算与高能物理研 讨会

Report of Contributions

Contribution ID: 1

Type: **not specified**

欢迎致辞

Friday, March 31, 2023 8:30 AM (10 minutes)

Presenter: Prof. 陈莹 (中科院高能所)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

量子计算优越性及近期应用

Friday, March 31, 2023 8:40 AM (40 minutes)

Presenter: Prof. 吴玉林 (中科大)

Session Classification: Session 1

Contribution ID: 3

Type: **not specified**

量子计算发展以及应用现状

Friday, March 31, 2023 9:20 AM (40 minutes)

Presenter: Dr 李蕾 (本源量子)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Quafu 云平台的使用

Friday, March 31, 2023 10:00 AM (40 minutes)

Presenter: Dr 王正安 (中科院物理所)

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

高能物理量子计算云平台

Friday, March 31, 2023 10:55 AM (15 minutes)

Primary author: BI, Yujiang (IHEP)

Presenter: BI, Yujiang (IHEP)

Session Classification: Session 2

Contribution ID: 6

Type: **not specified**

量子机器学习在 LHC 和 CEPC 数据分析中的一些应用

Friday, March 31, 2023 11:10 AM (25 minutes)

Presenter: Prof. 周辰 (北京大学)

Session Classification: Session 2

Contribution ID: 7

Type: **not specified**

量子机器学习在高能物理数据处理中的应用研究

Friday, March 31, 2023 11:35 AM (25 minutes)

Presenter: Prof. 李腾 (山东大学)

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

量子机器学习的算法优化

Friday, March 31, 2023 12:00 PM (25 minutes)

Presenter: Prof. 章宇 (曲靖师范学院)

Session Classification: Session 2

Contribution ID: 9

Type: **not specified**

规范场的量子计算实现

Friday, March 31, 2023 1:30 PM (25 minutes)

Presenter: Prof. 宫明 (中科院高能所)

Session Classification: Session 3

Contribution ID: 10

Type: **not specified**

Improved Hamiltonians for Quantum Simulations of Gauge Theories

Friday, March 31, 2023 1:55 PM (25 minutes)

Presenter: Prof. 李英英 (中科大)

Session Classification: Session 3

Contribution ID: 11

Type: **not specified**

QCSH: 原子核壳模型的全量子计算包

Friday, March 31, 2023 2:20 PM (25 minutes)

Presenter: Prof. 魏世杰 (北京量子信息研究院)

Session Classification: Session 3

Contribution ID: 12

Type: **not specified**

Analog Quantum Simulation Based on Superconducting Quantum Processor

Friday, March 31, 2023 2:45 PM (25 minutes)

Presenter: Dr 孙政杭 (中科院物理所)

Session Classification: Session 3

Contribution ID: 13

Type: **not specified**

Noise-resilient phase estimation with randomized compiling

Friday, March 31, 2023 3:10 PM (25 minutes)

Presenter: Dr 顾炎武 (北京量子信息研究院)

Session Classification: Session 3

Contribution ID: 14

Type: **not specified**

利用量子生成对抗网络实现量能器快速模拟的可行性研究

Friday, March 31, 2023 3:50 PM (25 minutes)

Presenter: Dr 黄晓忠 (中科院高能所)

Session Classification: Session 4

Contribution ID: 15

Type: **not specified**

量子机器学习为了未来对撞机 (Tracking 和 Q-GAN)

Friday, March 31, 2023 4:15 PM (25 minutes)

Presenter: OKAWA, Hideki (IHEP)

Session Classification: Session 4

Contribution ID: 16

Type: **not specified**

Feasibility study of Quantum particle Transformer

Friday, March 31, 2023 4:40 PM (15 minutes)

Primary author: MOHAMMED, Abdualazem (Institute of High Energy Physics)

Presenter: MOHAMMED, Abdualazem (Institute of High Energy Physics)

Session Classification: Session 4

Contribution ID: 17

Type: **not specified**

Symmetry enhanced quantum imaginary time evolution and its application to field theory

Friday, March 31, 2023 4:55 PM (25 minutes)

Presenter: Dr 王啸洋 (北京大学)

Session Classification: Session 4