

# 第四届 JUNO 相关的理论和唯 象研讨会：天体中微子专题

## Report of Contributions

Contribution ID: 1

Type: **not specified**

# Astrophysical Neutrino Observation with JUNO

*Sunday, 28 April 2024 09:00 (40 minutes)*

**Presenter:** LI, Yufeng (IHEP, Beijing)

**Session Classification:** Experimental Overview

Contribution ID: 2

Type: **not specified**

## Discussions

*Sunday, 28 April 2024 09:40 (40 minutes)*

**Session Classification:** Experimental Overview

Contribution ID: 3

Type: **not specified**

## Exploring new physics with neutrino detectors

*Sunday, 28 April 2024 10:50 (40 minutes)*

**Presenter:** AN, Haipeng (Tsinghua University)

**Session Classification:** Particle Physics

Contribution ID: 4

Type: **not specified**

## Discussions

*Sunday, 28 April 2024 11:30 (30 minutes)*

**Session Classification:** Particle Physics

Contribution ID: 5

Type: **not specified**

## **Large scale neutrino-transport simulation of core collapse supernovae and multimessenger signals**

*Sunday, 28 April 2024 14:00 (40 minutes)*

**Presenter:** ZHA, Shuai

**Session Classification:** Supernova neutrinos

Contribution ID: 6

Type: **not specified**

## Supernovae Time Profiles as a Probe of New Physics

*Sunday, 28 April 2024 14:40 (40 minutes)*

**Presenter:** LI, Ying-Ying (USTC)

**Session Classification:** Supernova neutrinos

Contribution ID: 7

Type: **not specified**

## Discussions

*Sunday, 28 April 2024 15:20 (40 minutes)*

**Session Classification:** Supernova neutrinos



Contribution ID: 8

Type: **not specified**

## **Overview and prospect of (non)-standard solar models**

*Sunday, 28 April 2024 16:30 (40 minutes)*

**Presenter:** ZHANG, Qiansheng

**Session Classification:** Solar neutrinos

Contribution ID: 9

Type: **not specified**

## Discussions

*Sunday, 28 April 2024 17:10 (1h 10m)*

**Session Classification:** Solar neutrinos

Contribution ID: **10**

Type: **not specified**

## **Neutrinos in the universe from Big-Bang to supernova and origin of life**

*Monday, 29 April 2024 09:00 (40 minutes)*

**Presenter:** KAJINO, Toshitaka

**Session Classification:** Nuclear Astrophysics

Contribution ID: 11

Type: **not specified**

## **Collective neutrino oscillations and heavy element nucleosynthesis in supernovae**

*Monday, 29 April 2024 09:40 (30 minutes)*

**Presenter:** WANG, Xilu (Institute of High Energy Physics, Chinese Academy of Sciences)

**Session Classification:** Nuclear Astrophysics

Contribution ID: 12

Type: **not specified**

## Discussions

*Monday, 29 April 2024 10:10 (30 minutes)*

**Session Classification:** Nuclear Astrophysics

Contribution ID: 16

Type: **not specified**

## Overview on neutrino interactions

*Monday, 29 April 2024 11:00 (30 minutes)*

**Presenter:** CHENG, Jie

**Session Classification:** Neutrino interactions

Contribution ID: 17

Type: **not specified**

## Discussions

*Monday, 29 April 2024 11:30 (30 minutes)*

**Session Classification:** Neutrino interactions

Contribution ID: **18**

Type: **not specified**

## **Searching for heavy millicharged particles from the atmosphere at neutrino detectors**

*Monday, 29 April 2024 14:00 (40 minutes)*

**Presenter:** SONG, Ningqiang

**Session Classification:** Atmospheric neutrinos



Contribution ID: **19**

Type: **not specified**

## Discussions

*Monday, 29 April 2024 14:40 (50 minutes)*

**Session Classification:** Atmospheric neutrinos

Contribution ID: 20

Type: **not specified**

## Workshop Summary

*Monday, 29 April 2024 16:00 (1 hour)*

**Session Classification:** Atmospheric neutrinos