

Thai-JUNO-IHEP Neutrino Physics and Astroparticle School

2-7 November 2017

San Pa Teung room, 1st floor

Lotus Pang Suan Kaew Hotel, Chiang Mai, Thailand

(under UNESCO International Training Centre for Astronomy)

| Date | time | Program |
|-------------|---|--|
| 2 Nov. | 08:30 | Registration |
| | 08:45 | Opening Remark (Thai-JUNO collab., IHEP/JUNO representative) |
| | | Lectures start |
| | 09:00 | Introduction to Neutrino Physics I (Yifang Wang) |
| | 10:15 | Coffee Break |
| | 10:30 | Introduction to Neutrino Physics II (Yifang Wang) |
| | 12:00 | Lunch |
| | 13:30 | Principle of Neutrino Observation I (Jun Cao) |
| | 15:00 | Coffee Break |
| | 15:15 – 17:00 | Principle of Neutrino Observation II (Jun Cao) |
| 18:00 | Ice-breaker dinner (participants and lecturers), San Pa Tong Room | |
| 3 Nov. | 09:00 | Neutrino oscillation in vacuum and matter (Dmitry Naumov) |
| | 10:15 | Coffee Break |
| | 10:30 | Supernovae Neutrino I (Shun Zhou) |
| | 12:00 | Lunch |
| | 13:30 | Introduction to ROOT (Miao He) |
| | 15:00 | Coffee Break |
| | 15:15 – 17:00 | Hands-on sessions Tutorial (Miao He) |
| 4 Nov. | 09:00 | Supernovae Neutrino II (Shun Zhou) |
| | 10:15 | Coffee Break |
| | 10:30 | Statistical Analysis (Dmitry Naumov) |
| | 12:00 | Lunch |
| | | Hands-on Sessions |
| | 13:30 | Introduction to ROOT (Miao He) |
| | 15:00 | Coffee Break |
| | 15:15 – 17:00 | Tutorial (Miao He + Dmitry) Assignment of Student group works |

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|--------------|---------------|---|
| 5 Nov. (Sun) | Whole day | School Break, free time for participants |
| 6 Nov. | 09:00 | DSNB and other Astrophysical sources (Shun Zhou) |
| | 10:15 | Coffee Break |
| | 10:30 | Solar Neutrino (Dmitry Naumov) |
| | 12:00 | Lunch |
| | | Hands-on sessions |
| | 13:30 | Tutorial on data analysis: Students group work |
| | 15:00 | Coffee Break |
| | 15:15 - 17:00 | Tutorial on data analysis: Students group work |
| 7 Nov. | 09:00 | Cosmic Neutrino Background (Shun Zhou) |
| | 10:15 | Coffee Break |
| | 10:30 | Introduction to JUNO experiment (Maio He) |
| | 12:00 | Lunch |
| | 13:30 | Group work presentation (30mins each) |
| | 15:00 | Coffee Break |
| | 15:45-16:45 | Group work presentation (30mins each) |
| | 16:45-17:00 | Closing Remarks |
| | 18:30 | School Banquet (van leaving the hotel at 18:00) |