

XV-th VIETNAM SCHOOL OF PHYSICS

“Particle physics and astrophysics towards the LHC era”

Donghoi, 20 – 31 July 2009

LECTURES' SCHEDULE

| DATE | MORNING | | | LUNCH | AFTERNOON | | |
|--------------|-----------------|-----------------|---------------|---------------|----------------------|---------------|--|
| | 8:30 – 9:30 | 9:40 – 10:40 | 11:00 – 12:00 | | 14:00 – 15:00 | 15:30 – 16:30 | |
| Mon. 20 July | Bhattacharyya 1 | Bhattacharyya 2 | Tuan 1 | Tuan 2 | Tuan 3 | | |
| Tue. 21 July | Bhattacharyya 3 | Bhattacharyya 4 | Hugonie 1 | Hugonie 2 | Discussion/Exercises | | |
| Wed. 22 July | Bhattacharyya 5 | Bhattacharyya 6 | Hugonie 3 | Hugonie 4 | Discussion/Exercises | | |
| Thu. 23 July | Bhattacharyya 7 | Bhattacharyya 8 | Hugonie 5 | Hugonie 6 | Discussion/Exercises | | |
| Fri. 24 July | Boonekamp 1 | Boonekamp 2 | Hung 1 | Hung 2 | Mini-seminars | | |
| Sat. 25 July | Boonekamp 3 | Boonekamp 4 | Hung 3 | Hung 4 | Discussion/Exercises | | |
| Sun. 26 July | Free | Free | Free | Free | Free | | |
| Mon. 27 July | Kim 1 | Kim 2 | Boonekamp 5 | Boonekamp 6 | Discussion/Exercises | | |
| Tue. 28 July | Kim 3 | Kim 4 | Hou 1 | Hou 2 | Discussion/Exercises | | |
| Wed. 29 July | Gondolo 1 | Gondolo 2 | Nomachi 1 | Nomachi 2 | Mini-seminars | | |
| Thu. 30 July | Gondolo 3 | Gondolo 4 | Nomachi 3 | Nomachi 4 | Discussion/Exercises | | |
| Fri. 31 July | Gondolo 5 | Gondolo 6 | Mini-seminars | Mini-seminars | Closing discussions | | |

Lectures' titles:

Particle physics (theoretical)

- **Gautam Bhattacharyya** (Saha Inst. Nucl. Phys., Kolkata): *Introduction to the standard model and beyond.*
- **Cyril Hugonie** (LPTA, Univ. Montpellier, Montpellier): *SUSY and phenomenological SUSY models: MSSM and NMSSM.*
- **Pham Quang Hung** (Univ. Virginia, Charlottesville): *The physics of TeV right-handed neutrinos.*

Particle physics (experimental)

- **Maarten Boonekamp** (CEA, Saclay): *Experimental confirmation of the standard model: 1970 – 2010.*
- **George Hou** (Nat. Taiwan Univ., Taipei): Topical lecture: *From 2008 Nobel prize to an emerging new physics scenario.*
- **Masaharu Nomachi** (Osaka Univ., Osaka): *Double beta decay and neutrino physics.*
- **Vu Anh Tuan** (Universitaet Mainz, Mainz & CERN, Geneva): *From Higgs boson to ATLAS detector.*

Astrophysics & Cosmology

- **Paolo Gondolo** (Univ. Utah, Salt Lake city): *Dark matter (from the astrophysics point of view).* (to be specified)
- **Sang Pyo Kim** (Kunsan Nat. Univ., Kunsan & APCTP, Pohang): *Inflationary Universe and dark energy.*