

Second Taiwan Winter Camp on Numerical Simulation in High Energy Physics (NumS-HEP 2012)

February 13 ~ 18, 2012
National Chiao Tung University

In order to develop young researchers in Taiwan basic experience about computational programming for theoretical physics e.g., model building as well as for experimental data analysis in different areas of high energy and (astro)particle physics, since 2011 the LHC Physics Focus Group, National Center for Theoretical Sciences (NCTS) organizes this winter camp on “numerical simulation in high energy physics” at the **National Chiao Tung University**. This year the lectures given in this camp include: **Monte-Carlo methods, mass spectrum analysis, air shower reconstruction and Markov chain scanning**. The lecture level is for PhD students, but postdocs and master students are also welcome. A basic programming ability in at least one of the Fortran/C/C++/Python languages is required; however, participants with knowledge about Maple/Mathematica/Matlab are also encouraged.

Homepage

<http://www.phys.nthu.edu.tw/~numsec/num-s-hep2012/>

Registration

Online registration is open until **February 5th (Sunday), 2012**.

Lectures

- Monte-Carlo methods/Markov chain scanning: Chung-Lin Shan (AS)
- Mass spectrum analysis: Yuan Chao (NTU/CERN)
- Air shower reconstruction: Ching-Cheng Hsu (NIKHEF)

Organization Committee

- Johan Alwall (Fermilab)
- Kai-Feng Chen (NTU)
- Kingman Cheung (NTHU/Konkuk)
- Cheng-Wei Chiang (NCU)
- Guey-Lin Lin (NCTU, chair)
- Tsung-Che Liu (NTU)
- Chung-Lin Shan (AS)
- Tzu-Chiang Yuan (AS)

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