

Third Taiwan Winter Camp on Numerical Simulation in High Energy Physics (NumS-HEP 2013)

January 21 ~ 27, 2013
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 include: **event generation**, **detector simulation**, **background discrimination** and **Bayesian analysis**. 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/~numsgc/numsg-hep2013/>

Registration

Registration is open until **January 13th (Sunday), 2013**.

Lectures

- Event generation: Tsung-Che Liu (NTU)
- Detector simulation: Yuan Chao (NTU)
- Background discrimination: Ching-Cheng Hsu (U. of Bern)
- Bayesian analysis: Chung-Lin Shan

Organization Committee

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|--------------------------------|------------------------------|
| • Johan Alwall (NTU) | • Ming-Huey Huang (NNU) |
| • Yuan Chao (NTU) | • Guey-Lin Lin (NCTU, chair) |
| • Chuan-Hung Chen (NCKU) | • Tsung-Che Liu (NTU) |
| • Kai-Feng Chen (NTU) | • Chung-Lin Shan |
| • Kingman Cheung (NTHU/Konkuk) | • Kwei-Chou Yang (CYCU) |
| • Cheng-Wei Chiang (NCU) | • Tzu-Chiang Yuan (AS) |

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