

# International LFT Network Project

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“International Research Network for Computational Particle Physics”

- JSPS“core-to-core research exchange program”
- 2004.4-2006.3 (2 years)
- roughly \$180,000/year from JSPS
- construct “International Research Network for LFT”
- select “Core Institute” in Japan and other countries
- ask financial support from foreign core institutes
- pick up “collaborators” in each country

## Core Institutes and coordinators

- Japan, University of Tsukuba, A. Ukawa
  - +18 collaborators( 4 institutes)
- USA, FNAL, P. Mackenzie
  - +20 collaborators( 15 institutes)
- British, Edinburgh University, R. Kenway
  - +11 collaborators( 5 institutes)
- Germany, DESY, K. Jansen
  - +11 collaborators( 7 institutes)

## Main Activities

- Seminars (Workshops)
- Researcher exchange
- Collaborations

## Restriction

JSPS Grant can be spend only for “collaborators”

Therefore others must be supported by other sources.

We can change a list of collaborators in FY2005.

## Plan in FY2004(2003.4-2005.3)

- kick-off Workshop”Lattice QCD via International LFT Network”
  - September 21-24, 2004
  - Shuzenji, Izu, Japan (Resort with hot springs)
  - 40 participants(20 foreign, 20 domestic)
  - 10 foreign participants can be supported by JSPS Grant.
  - identify the problems in lattice QCD to be pursued through the research program
  - Discuss collaboration and resource sharing via ILDG
- report on this program at German-Japan seminar in
  - DESY, Zeuthen, November, 2004
  - support 5 Japanese participants

## Long-term Workshop

- October-December, 2004
- CCS, University of Tsukuba, Japan
  1. Dynamical QCD and light hadron phenomenology (October 4-15, 2004)
  2. Non-perturbative renormalization (2 weeks)
  3. Heavy quark physics (2 weeks)
- support 5 foreign participants for each workshop

## 5th ILDG workshop (video conference)

- December, 2004
- CCS, University of Tsukuba + other sites



## 2nd Workshop

- “Present and future of lattice QCD” (tentative)
- February, 2005
- Edinburgh, Scotland (?)
- 40 participants (?)
- support 10 Japanese participants
- summary of 2004’s activities and
- discuss 2005’s plan



3rd Workshop in US during FY2005 ?

## Researcher exchange

- Young Japanese researcher visits some foreign institute up to 2 months
- 2(2 months) +2(1 month) or 6(1 month)
- peoples and places should be fixed

## Collaborations

- ILDG: 2 from Japan and 3 to Japan
- Non-perturbative renormalization: 5 Japanese collaborators visit Germany