

# Introduction

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for the External Review Committee

October 19<sup>th</sup> and 20<sup>th</sup>, 2006

Institute for Cosmic Ray Research  
The University of Tokyo

# Purpose of this review committee

1. to examine the scientific achievements mainly over the years from 2000 to 2006 inclusive, whether they meet the international scientific standard and have given sufficient impacts on the community,
2. to examine whether current research activities are sufficient and should be continued in the same way, or need major modifications or improvements,

# Purpose of this review committee

3. to examine the technical competence and feasibility for the projects that are under construction or those being planned,
4. to foresee scientific achievements of those projects whether sufficient scientific impacts are expected on the community when they produce results, and
5. to give recommendation or advice on improvements or modifications, and on the direction of the Institute in the future for both short and long terms.

# Organization of ICRR

- Three Research Divisions
  - Neutrino and Astroparticle
  - High Energy Cosmic Ray
  - Astrophysics and Gravity
- Five Domestic Facilities
  - Norikura, Akeno, Kamioka, Neutrino Center, Kashiwa Underground Facility
- Four Overseas Facilities
  - Yangbajing(Aibet  $AS_{\gamma}$ ),  
Woomera(CANGAROO),  
Utah(Telescope Array), Chacaltaya

# Three Divisions

- Neutrino and Astroparticle Division
  - Non-accelerator particle physics and Astroparticle physics
    - Super-Kamiokande
- High Energy Cosmic Ray Division
  - High energy cosmic rays and cosmic  $\gamma$ -rays
    - CANGAROO
    - AGASA / TA
    - Tibet AS
    - Ashra
- Astrophysics and Gravity Division
  - SDSS
  - Theory
  - Gravitational Wave

# Experimental Projects

- Completed
  - AGASA, K2K, LISM
- Running
  - Super-Kamiokande, CANGAROO-III, Tibet AS- $\gamma$ , SDSS, (TAMA),
- Commissioning
  - CLIO
- Under construction
  - T2K, Telescope Array
- Planned / Partial Construction
  - Ashra
- Planned
  - LCGT
- Planned / R&D
  - XMASS, Megaton-Class Water Cherenkov Detector

# Incorporation of National Universities

In April 2004, all the national universities were incorporated, which resulted significant changes:

## 1) Organization

- ➔ Institutions can be established or abolished by the decision of the university, not by the government.  
(Fate of ICRR is being ruled by the University of Tokyo)
- ➔ Observatories within the institute can be established or abolished by the decision of the institution, not by either the government or the university.

## 2) Employment

- ➔ There are no ways to increase tenured faculty positions
- ➔ On the other hands we can employ non-tenured researchers with a fixed employment term (typically 5 years) by research funds.

# Incorporation of National Universities

## 3) Funding

- One lump sum subsidy (decreasing yearly by 1%)
  - Expenditure for general management and operation
- Special funds for education and research  
(Application and Approval basis)
  - Research projects
    - Used to be a fund for big project
    - Now, ~\$200M (2005) for all the 87 national universities  
(~\$160M for continuing projects, only ~\$40M for new projects for 87 univ.)
- Grant-in-Aid of MEXT
  - Research projects (Max ~\$10M / project)

➔ Difficult to start big projects

➔ But we are working to establish new funding mechanism



# Incorporation of National Universities

## 4) Assessment

All the national universities must make a 6 years mid-term plan.

The government will review all the universities every 6 years for the achievement of the mid-term plan, and the results will be reflected for the allocation of the one lump sum subsidy for the next 6 years mid-term.

The report from this external review committee will be very important and crucial for ICRR and the University of Tokyo as well.

# Miscellaneous

- Scientific Secretary: Prof. T. Kajita
- A Report from the committee
  - Due: the end of March, 2007 ??