

The Earth Environment and Frontiers

Space and Time

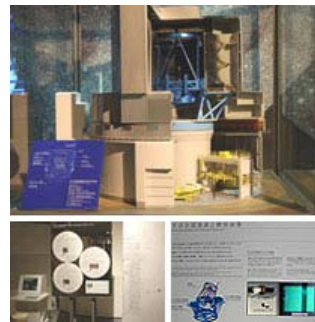
This exhibit zone observes the universe and researches elementary particles. From macro to micro, we will introduce a variety of research that pursues the creation and the evolution of the universe.



Permanent Exhibition > Space and Time [The Earth Environment and Frontiers]

The Subaru Telescope and the Mysteries of the Universe

The Subaru telescope positioned at the summit of Mauna Kea in Hawaii is the world's largest single mirror telescope and has the highest performance. Various projects and the achievements of research conducted through the Subaru telescope are introduced. Also, visitors can play with a game which simulates the observation procedures used by researchers.



Symbol Exhibit

- ▶ Geo-Cosmos

The Earth Environment and Frontiers

- ▶ Earth Environment and Me

- ▶ Exploration

- ▶ Space and Time

- ▶ Extreme Environments

- ▶ This is ISS, go ahead

Study of Elementary Particles and the Universe with a Particle Accelerator

The forefront of research on elementary particles, the smallest unit which comprises a substance, will be introduced at this display area. The equipment utilized to see the most minuscule elementary particles is called a particle accelerator, which is the biggest experimental device on this planet. Please feel the greatness of its scale through this animated presentation. Furthermore, with the "Accelerator Simulator," you can experience the virtual reality of an accelerator experiment.



Life Science

- ▶ The Genome

- ▶ The Brain

- ▶ Promoting Medicine Together

- ▶ Life Science Laboratory

Neutrino Observations

"Super-Kamiokande" is a unique research facility located 1,000 m underground designed for the detection of a mysterious elementary particle, the neutrino, from space. As we introduce this method of detecting the neutrino with its 1/10th model and the photomultiplier tubes, Japan's leading neutrino research methods and results are introduced.



Innovation and the Future

- ▶ Robot World

- ▶ The Drive Force of Innovation

- ▶ Lifestyle 2050

Interviews with researchers

People interviewed (titles omitted)

Sadanori Okamura

Yoji Totsuka

Takeo Kosugi

Kenzo Nakamura



Information Science and Technology for Society

- ▶ A Hands-on Model of the Internet

- ▶ Songs of ANAGURA

- ▶ Laboratory for New Media

- ▶ Tearoom of Zero/One

Supervisor Masanori Yamauchi (High Energy Accelerator Research Organization / KEK)
Takaaki Kajita (University of Tokyo)
Hiroshi Karouji (University of Tokyo)
Norio Kaifu (Open University of Japan)

[▶ Theaters](#)

[▶ Science Workshop](#)

Premiered July 2001

PAGE 180/2



[Contact Us](#) | [Site Policy](#)

© National Museum of Emerging Science and Innovation