

# Report of YONUPA Summer School 2002 (YITP-W-02-11)

Takehiro Azuma

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”YONUPA Summer School” is annually held and managed by the graduate students majoring in elementary particle theory, nuclear theory, high-energy experiment and the experimental nuclear and hadronic physics. This workshop has the following significances:

- The participants can absorb the basic and extensive knowledge of the elementary and nuclear physics through the lectures of the first-class researchers in Japan.
- YONUPA Summer School provides the opportunity to cultivate the basis of the collaboration through the communications among the graduate students.

The content of YONUPA Summer School in 2002 was as follows:

1. Place: Panorama-land Kijimadaira (in Nagano Prefecture)
2. Participants: 272 people
3. Lectures: The lectures are divided into the following three parts:
  - (a) Elementary Particle Theory Part
  - (b) Nuclear Physics Part
  - (c) High-energy experiment Part

In each part, three (two for (c)) six-hour lectures were given in order for the students especially in the master’s course to absorb the basic and extensive knowledge. In addition,

(d) YONUPA Summer School Special Lectures

was held, in which Professor Makoto Kobayashi in KEK gave a two-hour lecture for all the participants. In this lecture, the history of the development of the elementary particle theory before the completion of the Standard Model was illustrated.

4. Workshop: This provided the students with the opportunity of the presentations and the discussions about their own research through the poster sessions or the thirty-minute talks.