



Séminaire du Laboratoire de l'Accélérateur Linéaire

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KEK/Belle, Japan

Jeudi 9 Décembre 2010 à 11 :00

Public outreach program by Belle

(This seminar is sponsored by the France Japan Particle Physics "Toshiko Yuasa" Laboratory TYL/FJPPL)

We believe that all scientists wish to contribute to the improvement of people's life, and that's why we are motivated to act toward new scientific knowledges. Technically, there should exist several contribution methods. In Belle, we adopted a method of "science communication", in which the scientists and people will make direct and face-to-face communication at the same field.

The first Belle's outreach program is "B-lab". B-lab is an educational program of fundamental particle physics for high school and university students and more aged people. We put event-by-event 4-momentum and particle ID information on the web accessible from the world together with data analysis codes and textbook. Combining 4-momentum information arbitrarily, B-lab players can find invariant mass peaks. We are making several B-lab lectures in and outside KEK for B-lab promotion. Recently, new decay mode has been preliminarily discovered by a B-lab player in the B-lab data and we are making scientific check on that to publish the result.

The second Belle's outreach program is "Belle Plus". Belle Plus is a 4-day-long summer camp for high school students started since 2006. We invite 25 students to KEK with full financial support to round-trip and accommodation fees. Students will join one of 4 groups according to their own interests : (1)B-lab, (2)Feynman diagram calculation, (3)cosmic ray study with Belle operation, and (4)wire chamber study. The keyword of Belle Plus is "reality" : real data in B-lab, real Belle detector operation, real researchers' lecture etc. Also they will experience real life of scientists : research, discussion, presentation, and defense.

We present public outreach programs carried out by Belle as above.

Auditorium Pierre Lehmann du LAL - Bât. 200, Orsay

Thé et café seront servis 1/4 h avant le séminaire