

JENNIFER2 Summer Schools

Planning progress report

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11 March 2019

Other programs at KEK, and dates

- In June we met with Haba-san, Uno-san, and (Takashi) Kobayashi-san
- We learned that KEK has 2 major outreach programs that also require KEK resources:
 - A research-lab-based “Summer Student” program for foreign students at KEK for several weeks, <http://kek.soken.ac.jp/sokendai/kek-tsukubaj-parc-summer-student-program-2019/>. Organized by Kobayashi-san.
 - Last year, 9 participated at KEK and 18 at J-PARC (out of 56+56 applicants). Plan to increase participation.
 - “Summer Challenge” program around August 20-30 for about 80 Japanese students. They have lectures in the mornings and educational lab activities in the afternoons.
- We concluded that **July 6-18 (2020)** are workable dates for KEK schedule.
 - Implication: will lose European students who take exams late.
 - Comment: not yet clear we can carry out a full 2-week school. Might need to shorten by few days (see 2 slides below).

Student make-up and KEK funding

- An important goal is to bring together European and Japanese students
 - Plan to support ~20 European students from the JENNIFER2 grant.
 - In discussion with Haba-san, concluded that an additional ~10 Japanese students would be a good composition.
 - KEK can advertise for the Japanese students
 - I think it will be best to select the European and Japanese students simultaneously by a joint committee (e.g., us and Uno-san).
- Haba-san et al plans to apply for an internal KEK grant to support the Japanese students and maybe the dorm cost for the European students.
 - Unfortunately, results known only in spring 2020.
 - If not granted, can hopefully use some Belle II and T2K money at KEK to support the Japanese students.

School program and content

- Original vision: research-lab-based activities, similar to CERN summer school but shorter
- This poses several challenges:
 - KEK labs already busy with their foreign Summer Student program.
 - We lack sufficient familiarity with these labs and their personnel to ensure successful activities within relatively short period.
- Therefore, we now envision a program of morning lectures and afternoon educational lab activities
 - Uno-san has 2 such setups (wire chamber and scintillators), used for “Summer Challenge” program. He can provide a guide for each setup for several days.
 - For “Summer Challenge”, Japanese universities bring in additional setups. But given small number of students, we cannot expect much help there.
 - **Therefore, must rely on JENNIFER2 people for hands-on activities: please volunteer! Particularly hardware, but also analysis activities**
 - Activities must involve learning over at least several afternoons, hopefully with possibilities to extend into new creative ideas.
 - Need guide during these afternoons.

JENNIFER2 funding

Travel discount: if can strike deal with travel agency
Other discounts: depending on potential KEK funding



| What | Single amount | Times | Total | Possible discount | Discount cost |
|------------------------|---------------|-------|--------------|-------------------|---------------|
| travel | 1000 | 20 | 20000 | 30% | 14000 |
| dorms | 200 | 20 | 4000 | 100% | 0 |
| per diem | 560 | 20 | 11200 | 50% | 5600 |
| excursion | 2000 | 1 | 2000 | 100% | 0 |
| non-JENNIFER lecturers | 2000 | 3 | 6000 | 0% | 6000 |
| Total | | | 43200 | | 25600 |

Excursion: plan Saturday nearby (e.g., Mt. Tsukuba + temple, etc.)
Sunday free (students probably want to visit Tokyo, etc.)