

Introduction, orientation of the School

Hai-Bo Li

IHEP

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Flavor physics

Quarks



CKM

Leptons



Flavor
changing in
neutrinos

Kajita and McDonald

Are there FCNC in charged leptons?

Orientation of the school

- Neutrino oscillation had been established experimentally → the lepton flavor changing neutral currents;
- Next step: charged Lepton Flavor violation → New Physics in flavor sector
- No any indication of new physics from LHC experiments
- Many high intensity experiments (running and proposals)

Muon physics: MEG&MEGII, Mu3e .. and COMET at J-PARC Mu2e at Fermilab ...
g-2_muon ...

B/D/tau: Super-B factory/Belle-II, LHCb and its upgrade , BESIII and its upgrades
Gega-Z at FCC-ee and CEPC

Kaon physics: High intensity Kaon beams ... , high intensity hyperon beams ...

...

The School on the charged leptons

- Students: graduate, undergraduate students; postdocs/young researchers (mainly from China).
- Teachers: Lorenzo Calibbi (Nankai University, China)
Sébastien Descotes-Genon (CNRS & Univ. Paris-Sud, France)
Kiyoshi Hayasaka (Niigata University, Japan)
David Hitlin (Caltech, USA)
Tsutomu Mibe (KEK, Japan)
Gerco Onderwater (Groningen University, Netherland)
Angela Papa (Pisa and PSI)
- TA group: Yohei Nakatsugawa, Dorian Pieters, Chen Wu
- LOC: Hai-Bo Li (lihb@ihep.ac.cn 13522591667),
Miss Shan-Jun Ren (rensj@ihep.ac.cn 17301373566)
Miss Ye-Liu Mo (moyl@ihep.ac.cn)
Yao Zhang (zhangyao@ihep.ac.cn)

Sessions for questions and discussions

The discussion sessions will be chaired by TA group, and teachers should be present there to answer questions and join the discussions.

We also encourage teachers to leave questions and homework after your lectures, so that students can discuss what they learn.

We encourage students to raise any questions directly to teachers, or you should send your questions to TAs.

Certificate of the school

Students should be present and sign off everyday, so that you will get your certificates.

We just encourage you to finish the school, and don't miss this opportunity, please.

Reception and Banquet

We will have a reception on Monday at 18:30: cafeteria of the Guest House

On Wednesday, we will have a banquet at Quanjude Roast Duck

Lunch

We provide lunch everyday from June 3rd to 7th.

Teachers and TAs: Round table lunch in the cafeteria of Guest House

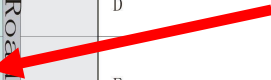
Students: Lunch coupons for the IHEP cafeteria for faculty

(高能所职工食堂)

Conference room



IHEP Cafeteria



BESIII/BEPCII tours

If you want to take part in the BESIII/BEPCII tour,
please assemble at 16:50 in front of the New Building.

I wish all of you have a nice week.

Enjoy your lectures!

Let's take a group photo outside of the New Building before the coffee break.