

International Summer school on TeV Experimental Physics (iSTEP 2015)

Second Bulletin (1/July/2015)

The International Summer school on TeV Experimental Physics (iSTEP) will be held on August 11 - 19, 2015 at Shandong University (SDU), Jinan, China. The inaugural 2015 summer school will introduce the physics programs at the Large Hadron Collider (LHC) and the future high energy physics experiments. Lectures will cover theoretical background, physics motivation, experimental setup/methods, and the latest results on various particle physics topics, including the Standard Model, Higgs Physics, SUSY, and exotic New Physics searches. As a summer school aiming at experimentalists, hands-on tutorials will be provided. We also strongly encourage conversations and discussion between students and lecturers.

iSTEP is aimed to guide the first steps of the beginners at particle physics, such as senior undergraduate and young graduate students.

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Program Schedule:

Preliminary Lecture Schedule: 90 minutes lecture contains two 40 minutes sessions (including Q&A) and a 10 minutes break.

	9:00-10:30	11:00-12:30	14:00-15:30	16:00-17:30
8-11	Opening Speech on HEP Experimental (20 minutes) High energy physics in China (Liang LI)	Generator (Qiang LI)	Simulation and reconstruction (Manqi RUAN)	Question and answers about summer school
8-12	Particle Identification (Huaqiao ZHANG)	SM measurements (Jianbei LIU)	ROOT training (Siguang WANG)	ATLAS virtual room Visiting (CERN)
8-13	Standard Model (1) Tao HAN	Introduction to online System Dayong WANG	Standard Model — (2) Tao HAN	Neutrino physics (Zhizhong XING)
8-14	Standard Model (3) Tao HAN	Detector-1 (Hongbo ZHU)	Higgs measurements (Xin CHEN)	Statistical Methods in Particle Physics (1) (Glen Cowan)
8-15 (Sat)	Excursion			
8-16	Beyond Standard Model Theory (1) Qinghong CAO	Detector -2 (Hongbo ZHU)	BSM searches-Exotic (Mingshui CHEN)	Statistical Methods in Particle Physics (2) (Glen Cowan)
8-17	Beyond Standard Model Theory (2) Qinghong CAO	Accelerator physics (Yuan ZHANG)	BSM searches-SUSY (Xuai ZHUANG)	Statistical Methods in Particle Physics (3) (Glen Cowan)
8-18	Group Study, Q&A (1 Qiang, Glen, Lianliang, Xuai, ...)		Group Study, Q&A (2)	
8-19 (Fri)	Group Presentation and Evaluation		Prize & Summary	

Registration:

On-site registration is open on August 10 between 3pm to 5:30pm in front of the lecture room (see below). The registration will continue on the morning of August 11 (note that the first lecture starts at 9am). There is no fee for

lecturers, all other participants should pay registration fee in cash (check conference website for fee structure).

Venue and Accommodation:

The lectures will be given at the lecture room **on the 7th floor of ZhiXinLou (知新楼C座) in the central campus of Shandong University**. Participants will be accommodated at University Hotel (200 meters away from ZhiXinLou).

Lecturers:

The lecture room is equipped with a PC and a projector. Apple users please provide a PDF version or check compatibility of your computer system with the projector.

Conference Website:

<http://indico.ihep.ac.cn/event/4902/>

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