

Dear Colleague

Herewith we would like to announce the "International Workshop on QCD Exotics" that will be held in Jinan, China, on 8-12 June, 2015. The meeting will be hosted by Shandong University and jointly organized by the Institute of High Energy Physics, Chinese Academy of Sciences and Shandong University.

1. Purpose of the workshop:

There has been a lot of progress in the experimental and theoretical study of the quarkonium and quarkonium-like XYZ states. In particular, various physical pictures were confronted with the recent observations. However, so far there has not been a single state for which the mission to identify the nature is fully accomplished. The purpose of the workshop is to bring together theoreticians and experimentalists to discuss what is necessary from the theoretical side to disentangle the different scenarios proposed as well as what is feasible experimentally in this respect in the foreseeable future.

Key issues to be discussed are:

- 1) Identify smoking guns for the individual scenarios proposed as interpretation for the potentially exotic XYZ states. Those might include cross section line shapes, decay patterns, angular distributions etc.
- 2) Any possible way to recognize the "unquenched" features arising from the quark model? What do the insights of the large  $N_c$  limit imply for the physical world?
- 3) What can we learn from the pion mass dependence of the masses of the XYZ-states?
- 4) What is necessary for extracting multi-channel resonances from lattice data?
- 5) Which experimental measurements should be carried out in order to provide more constraints on the various theoretical approaches? Which observables can BESIII, LHCb, PANDA and Belle II deliver in the future and what insights can we gain from those?

## 2. Registration and participation

Online registration is available via

<http://indico.ihep.ac.cn/event/4827/>

A registration fee of RMB 1200 yuan will be charged to each participant upon registration to cover meals, one reception and one banquet, and coffee breaks during the workshop.

## 3. Organizing committee:

Christoph Hanhart (Forschungszentrum Juelich)

Xing-Tao Huang (Shangdong Univ.)

Zuo-Tang Liang (Shangdong Univ.)

Ryan Mitchell (Indiana Univ.)

Xiao-Yan Shen (IHEP)

Chang-Zheng Yuan (IHEP)

Jing-Zhi Zhang (IHEP)

Qiang Zhao (IHEP)

## 4. About the conference venue:

Detailed information for travelling to the conference venue will be available soon.

## 5. Contacts

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## 6. Important dates

Online registration	: from Feb.10, 2015
Deadline for registration	: May 15, 2015
Arrival	: June 7, 2015
Conference time	: June 8-12, 2015
Departure	: June 13, 2015

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