

Second circular

**8th International Conference on Quarks and Nuclear Physics**

November 13-17, 2018, Tsukuba, Japan

<http://www-conf.kek.jp/qnp2018/>

Email: [qnp2018\(AT\)ml.post.kek.jp](mailto:qnp2018(AT)ml.post.kek.jp)

We would like to invite you to participate in the 8th International Conference on Quarks and Nuclear Physics. It will be held in Tsukuba, Japan on November 13-17, 2018. This conference follows the series of meetings previously held in Adelaide, Jülich, Bloomington, Madrid, Beijing, Palaiseau, and Valparaiso. Experimentalists and theorists will discuss recent developments in the field of hadron and nuclear physics, and the following topics will be covered.

- \* Quark and gluon structure of hadrons:
- \* Hadron spectroscopy:
- \* Hadron interactions and nuclear structure:
- \* Hot and cold dense matter:

In addition to plenary sessions, parallel sessions will be organized in the above topics. A poster session will be also arranged. Young postdocs and students are especially welcome. Updated information will be announced on the conference web.

In this second circular, we provide information on

- (1) submission of your abstract to the parallel session and poster session,*
- (2) registration,*
- (3) hotels in the Tsukuba city.*

Please send your abstract by June 30, 2018, and the deadline for the early registration is on August 17, 2018. We recommend you to make the hotel reservation in advance because November is a travel season in Japan. If you have a question, please do not hesitate to ask us. We are looking forward to seeing you in Tsukuba in 2018.

Shunzo Kumano and Shinya Sawada (KEK/J-PARC)  
on behalf of the local organizers

## Plenary Speakers

*Note: Talk titles are tentative.*

Gordon Baym (Univ. Illinois)	Neutron star physics
Fabienne Kunne (Saclay)	Nucleon-structure physics by lepton deep inelastic scattering
Su Houng Lee (Yonsei Univ.)	Theory on hadrons in nuclear medium
Ming Liu (Los Alamos)	Nucleon-structure physics by proton-proton collisions
Kyungseon Joo (Univ. Connecticut)	N* physics
Larry McLerran (Univ. Washington)	Theory on high-energy heavy-ion physics
Kenkichi Miyabayashi (Nara Women's Univ.)	Belle-II project
Barbara Pasquini (Univ. Pavia)	Hadron tomography by three-dimensional structure functions
Eliezer Piassetzky (Tel Aviv Univ.)	Short-range correlations in nuclei
Sasa Prelovsek (Univ. Ljubljana)	Hadron spectroscopy from lattice QCD
Jianwei Qiu (JLab)	Nucleon structure from lattice QCD
Hirokazu Tamura (Tohoku Univ.)	Strangeness nuclear physics
Wolfram Weise (TU München)	Perspectives of hadron and nuclear physics

Plenary speakers on the following topics will be announced later.

- \* Exotic hadrons
- \* Experiments on heavy-quark hadrons
- \* Baryon interactions from lattice QCD
- \* Experiments on high-energy heavy-ion physics
- \* Experiments on hadrons in nuclear medium
- \* EIC project
- \* J-PARC hadron-hall extension
- \* GSI-FAIR project

## Conference site and visitor information

The conference will be held in the

**Tsukuba International Congress Center (EPOCHAL TSUKUBA),**

2-20-3, Takezono, Tsukuba, Ibaraki 305-0032, Japan

<http://www.epochal.or.jp/eng/>

in the center of the Tsukuba city.

For access information to the congress center and for tourist information on the Tsukuba city, please look at

<http://www-conf.kek.jp/qnp2018/access.html>.

## Conference schedule

- November 13 (Tue): 8:00 Registration, 9:00 Conference begins.  
Morning (plenary), Afternoon (parallel, poster)
- November 14 (Wed): Morning (plenary), Afternoon (parallel)
- November 15 (Thu): Morning (plenary), Afternoon (excursion)
- November 16 (Fri): Morning (plenary), Afternoon (parallel), night (dinner)
- November 17 (Sat): Morning and Afternoon (plenary),  
Conference ends in early afternoon.

## Important dates

- ✓ Application to talk/poster presentation: **June 30, 2018**
- ✓ Early registration: **August 17, 2018**
- ✓ Regular registration: **September 14, 2018**

## Registration fee

- Registration fee for general participants:  
45,000 yen for early registration  
55,000 yen for regular registration
- Registration fee for students:  
20,000 yen for early registration  
30,000 yen for regular registration
- Accompanying person, Banquet fee: 10,000 yen

## Registration

Please register from the Kinki-Nippon-tourist web page:

<https://gtc2.knt.co.jp/kntfront/convention/CON10010.xhtml?t=T2000107815>.

## Hotel information

The hotel information and location map are available at

<http://www-conf.kek.jp/qnp2018/lodging.html>.

We recommend you to make your own hotel reservation in advance because November is a travel season in Japan.

For participants (mainly graduate students and postdocs) who do not have enough fund to stay at a hotel, we may assign KEK dormitory rooms. Please send an email request to the organizers, qnp2018(AT)ml.post.kek.jp by **September 14, 2018**.

*We have a limited number of rooms. It is first come and first served.*

## Contributed talks and posters

We take contributions to the talks in the parallel sessions and posters.

There are four parallel sessions.

A) Quark and gluon structure of hadrons:

- parton distribution functions, generalized parton distributions,
- transverse momentum distributions, high-energy hadron reactions, ...

B) Hadron spectroscopy:

- heavy quark physics, exotics,  $N^*$ , ...

C) Hadron interactions and nuclear structure:

- hypernuclear physics, kaonic nuclei, baryon interactions, ...

D) Hot and cold dense matter:

- quark-gluon plasma, color glass condensate, dense stars,
- strong magnetic field, mesons in nuclear medium, hadronization, ...

Please submit your abstract from the KEK indico

<https://conference-indico.kek.jp/indico/event/33/registration/register#/register>

(please enter "Registration form" in this page) by the deadline **June 30, 2018**.

Note: The "registration form" page of this indico is intended for the submission of your abstract. *The conference registration should be done from Kinki-Nippon-tourist web page.*

## Support

We have a limited financial support of local expenses for young scientists.

Please send an email to qnp2018(AT)ml.post.kek.jp by the deadline **June 30, 2018**.

## Proceedings

We will publish proceedings of the workshop. The details will be announced later.

## Inquiry

An email inquiry should be sent to qnp2018(AT)ml.post.kek.jp.

It is distributed to Shunzo Kumano and Shinya Sawada.

Conference secretaries will be added to this distribution list.

## Satellite workshops

We are planning satellite workshops. We will announce them on the QNP2018 conference web page when they are decided.

1. “Hadron structure functions”

Nov.18, 2018, KEK Tsukuba Campus

Inquiry: Shunzo Kumano (KEK, shunzo.kumano(AT)kek.jp)

- Nucleon structure, Hadron tomography
- High-energy hadron reactions

2. “Hadron structure and interaction in dense matter”

Nov.11-12, 2018, KEK Tokai Campus, hosted by KEK and JAEA,

Inquiry: Akinobu Dote (KEK, dote(AT)post.kek.jp),

Philipp Gubler (JAEA, pgubler(AT)riken.jp)

- Hadrons and resonances in nuclei/matter
- Strangeness and charm in nuclei/matter
- Cold and dense matter equation of state

**International Advisory Committee**

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**Local Organizers**

\* Co-chair

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