



14th International Conference on Hypernuclear and Strange Particle Physics

June 27 – July 1, 2022
Prague, Czech Republic

Third Announcement

This is **the 3rd Announcement** of the 14th International Conference on Hypernuclear and Strange Particle Physics (HYP2022) to be held in Prague, Czech Republic, from June 27 through July 1, 2022.

HYP2022 is the next conference in a series that started in Heidelberg, 1982. The HYP conference brings together theoreticians and experimentalists working in hadron and nuclear physics with strangeness. Over the years, the conference has been always open to cover fresh and challenging problems, expanding its frontiers to emerging directions in nuclear and particle physics. The scope of the HYP conference has been extended to related fields such as low-energy aspects of QCD, hot and dense matter, as well as hadronic and nuclear systems with heavier flavors.

The COVID-19 pandemic generated significant perturbations in our lives last years. **In view of current favorable prognoses, we are optimistic that the world will recover soon, making it possible to organize the HYP2022 conference in person.** Nonetheless, the situation will be reassessed during April and a hybrid form of the conference will be considered.

Scientific Program

Topics to be discussed at the conference include:

- Production, structure and decay of hypernuclei
- Multistrange systems
- Strangeness and hypernuclei in elementary reactions and nuclear collisions
- Interactions of mesons and baryons with strangeness
- Strangeness in hadron structure
- Strange mesons in nuclei
- Strange exotic atoms
- Strangeness in astrophysics and in extreme forms of matter
- Heavy flavor systems
- Future experiments and facilities

The scientific program (Monday, June 27 to Friday, July 1) comprises invited talks in the plenary and parallel sessions, and contributed papers in the parallel and poster sessions.

Invited speakers (confirmed):

N. Barnea, Jin-Hui Chen, T. Doi, A. Feijoo, E. Friedman, A. Gal, D. Gazda, T. Gogami, Feng-Kun Guo, J. Haidenbauer, E. Hiyama, M. Illa, Y. Kamiya, I. Kisel, Hoai Le, Yue-Hang Leung, Yue Ma, Yu-Gang Ma, D. Mihaylov, K. Miwa, S.N. Nakamura, K. Nakazawa, T. Niida, J. Óbertová, K. Ozawa, P. Pauli, K. Piscicchia, M. Puccio, À. Ramos, T. Saito, F. Sakuma, M. Schäfer, H.-J. Schulze, S. Spies, H. Tamura, L. Tang, K. Tanida, M. Ukai, O. Vázquez Doce, I. Vidaña, N. Wickramaarchchi, T. Yamaga, T.O. Yamamoto, H. Zbroszczyk, J. Zmeskal

Host Institutions

The HYP2022 conference is hosted by Nuclear Physics Institute (NPI Řež) of the Czech Academy of Sciences and the Faculty of Nuclear Sciences and Physical Engineering of the Czech Technical University in Prague (FNSPE CTU in Prague).

Conference Website

<http://rafael.ujf.cas.cz/hyp2022>

Conference Poster

http://rafael.ujf.cas.cz/hyp2022/HYP2022_poster.pdf

Venue

The plenary and parallel sessions will take place in OREA Hotel Pyramida which provides suitable working conditions for the meeting – <https://www.hotelpyramida.cz/en/>.

Oral Presentations and Poster Session

The oral presentations in the parallel sessions will be selected from submitted abstracts. The deadline for abstract submission has been **extended till April 8, 2022**. We encourage you to submit abstracts even if you are not sure to be able to take part in the conference in person.

A poster session is planned for one afternoon. Instructions for making and placing the poster will be given on the conference website.

Proceedings

The conference proceedings including peer-reviewed oral presentations will be published online as Open Access in **EPJ Web of Conferences**. Detailed instructions will be provided during the conference.

Registration

Online registration started on January 14, 2022, and will extend until May 13, 2022. The registration fee is 13000 CZK (~500 EUR at present rates). It covers the reception, scientific program events, lunches, the banquet, and the proceedings.

Payment should be done in CZK via major credit cards through the web page or by bank transfer. Payment can be done any time before the registration deadline.

Thanks to the THEIA-STRONG2020, CAAS, BNL-CZ, CERN-CZ, and FAIR-CZ kind sponsorship, we will be able to provide some financial assistance, particularly to graduate students. Requests for the support should be addressed to the local organizing committee.

Accommodation

Participants will be accommodated in OREA Hotel Pyramida. The hotel is located in a walking distance to Prague Castle and historical parts of the town.

A reservation link is available on the conference website. Please plan to book in a timely way as the number of rooms at the negotiated conference rate from **1890 CZK (~78 EUR)** for a single room, and from **2100 CZK (~86 EUR)** for a double room, is limited.

Visa

Citizens of some countries might require a visa to enter the Czech Republic. Please check your case and start the process early enough. Contact us if you need a letter of invitation to obtain your visa.

School of Physics

As a pre-conference event, the “XXXI Indian-Summer School of Physics” will be held at the FNSPE CTU in Prague from June 24 through June 26, 2022. More information can be found on the website: <https://indico.cern.ch/event/1141623/>.

Important dates

Abstract submission ends	April 8, 2022
Abstract acceptance/rejection notice	April 20, 2022
Registration ends	May 13, 2022
HYP2022 Conference	June 27 – July 1, 2022

Organizing Committee

J. Bielčíková, P. Bydžovský, A. Cieplý, D. Gazda, F. Křížek, J. Mareš, D. Skoupil, P. Tlustý (NPI Řež);
J. Bielčík, J. Óbertová; B. Tomášik (FNSPE CTU in Prague)

International Advisory Committee

E. Botta (Torino), T. Bressani (Torino), H. Caines (Yale), C. Curceanu (Frascati), L. Fabbietti (Munich),
A. Feliciello (Torino), A. Gal (Jerusalem), B. F. Gibson (Los Alamos), J. Haidenbauer (Juelich),
E. Hiyama (Tohoku), T. Kishimoto (Osaka), H. Lenske (Giessen), Yu-Gang Ma (Shanghai), J. Mareš
(Řež), D. J. Millener (BNL), T. Motoba (Osaka), T. Nagae (Kyoto), S. N. Nakamura (Tohoku), H. Noumi
(RCNP), M. Oka (Tokyo), E. Oset (Valencia), A. Parreño (Barcelona), J. Pochodzalla (Mainz), À. Ramos
(Barcelona), R. Schumacher (CMU), H. Tamura (Tohoku), L. Tang (Hampton), I. Vidaña (Catania),
T. Yamazaki (Tokyo), Shi-Lin Zhu (Beijing), Bing-Song Zou (Beijing)

Support

- THEIA-STRONG2020, the European Union's Horizon 2020 research and innovation programme under grant agreement No. 824093
- Centre of Advanced Applied Sciences (CAAS), the project CZ.02.1.01/0.0/0.0/16-019/0000778; CAAS is co-financed by the European Union
- BNL-CZ, the project MŠMT LM2018109
- CERN-CZ, the project MŠMT LM2018104
- FAIR-CZ, the project MŠMT LM2018112 and OP VVV CZ.02.1.01/0.0/0.0/18_046/0016066
- Faculty of Nuclear Sciences and Physical Engineering of the Czech Technical University in Prague
- Nuclear Physics Institute of the Czech Academy of Sciences, Řež

Contacts

All the correspondence concerning the scientific program of the conference and support should be addressed to hyp2022@ujf.cas.cz.

For further questions and information on the registration, please contact the Secretariat of the conference – uher@amca.cz.