

To: Natasha Timofeyuk  
Chair of the European Research Committee  
on Few Body Problems in Physics

## Proposal for the 26th European Few-Body Conference to be held in Prague, Czech Republic

### Venue and Host Institutions

The Conference will take place at the Faculty of Mathematics and Physics, Charles University (Troja Campus, V Holešovičkách 747/2, Praha 8) and will be hosted by Nuclear Physics Institute of the Czech Academy of Sciences (ÚJF, Řež) and Faculty of Mathematics and Physics, Charles University (MFF UK, Prague).

**Charles university** (Latin: Universitas Carolina) is the oldest and largest university in the Czech Republic. It is one of the oldest universities in Europe in continuous operation. **The Czech Academy of Sciences** is the leading non-university public research institution in the Czech Republic. Its tradition goes back to the Royal Bohemian Society of Sciences founded in 1784. The Academy conducts both fundamental and strategic applied research. **The Nuclear Physics Institute of the Czech Academy of Sciences**, a public research institution, conducts research in a broad field of nuclear physics, experimental as well as theoretical.

**Prague** with its rich history and stunning architecture is one of the world's most popular tourist destinations. It is classified as an "Alpha-" global city according to GaWC studies. Prague ranked sixth in the Tripadvisor world list of best destinations in 2016 (fifth in 2014). Furthermore, the city was ranked 7th in the world ICCA Destination Performance Index measuring performance of conference tourism in 2021.

### Travel

Due to its location in the heart of Europe, Prague is easily accessible. The most popular ways of getting to Prague are by plane or by train. Prague has an extensive public transport network that is rated as one of the best and most reliable in Europe.

**Troja Campus, transport:** It is possible to travel to Troja by public transport, the closest bus stops being "Kuchyňka" and "Pelc Tyrolka". Alternatively, the campus is about 15 minutes walk from the metro station "Nádraží Holešovice" (line C). It is also possible to drive to the campus by car. It is possible to park in front of the main entrance or in the courtyard; parking is free and accessible nonstop.

## **Local Organizing Committee (preliminary)**

The conference will be organized by a mixed committee of scientists from ÚJF, Řež and MFF UK, Prague. The local organizing committee will include:

- Nina Shevchenko, chair (ÚJF, Řež; theory)
- Daniel Gazda (ÚJF, Řež; theory),
- Tomáš Dytrych (ÚJF, Řež; theory),
- Zdeněk Doležal (MFF UK, Prague; experiment),
- Jiří Mareš (ÚJF, Řež; theory)

## **International Advisory Committee and time schedule**

Members will be chosen from the lists of advisors from past conferences. New names will be added in consultation with the European few-body research committee to ensure that all areas of few-body research are covered.

We assume to set the IAC to (datum), they will be asked to suggest the invited speakers in (datum). The first announce about the EFB26 conference will be done in the autumn 2024, the web page should be already ready at that time.

## **Topics**

The following topics will be covered at the conference:

- Nuclei and hypernuclei
- Hadron physics
- Electroweak processes
- Nuclear astrophysics
- Cold atoms and quantum gases
- Atoms and molecules
- Few-body methods
- Few-body aspects of many-body systems

## **Scientific program**

We will maintain the traditional structure of few-body conferences lasting 5 days, from Monday to Friday. We will leave Wednesday afternoon for excursion and/or discussions. We will have plenary sessions in the mornings and parallel sessions in the afternoons. There will be about 30 plenary talks lasting 30 minutes, including the talks by young researcher awardees. Depending on the total number of participants we will have either two or three parallel sessions. We will have a poster session as well. We also plan to host a public lecture of general interest for participants and the public on a topic related to the conference theme.

### **Social program**

Social program will include a welcome reception (at MFF UK), conference dinner (in the Prague center). We also will organize Prague city center excursion and excursions to ÚJF / MFF UK laboratories.

### **Registration fee will include**

Conference kit, coffee breaks, lunches, welcome reception, conference dinner, excursions. Early bird registration fee, 20% reduced fee for students. No on-line participants are planned. Lunches (preliminary): at Menza Troja (Pátkova 3, Praha 8), in walking distance from the conference place.

Fee for an accompanying person will include welcome reception and the conference dinner (?).

**Plus:** Meeting rooms, audio visual equipment, free WiFi(?).

### **Budget**

We assumed 150 participants, among them 30 students in estimating the conference fee. A possibility to get some extra funding is not too high, there are no special grants for conferences in Czech Republic. However, we will use any other emerging opportunity to apply for the conference support, thereby reducing the fee and making support possible for those with special circumstances.

We show our estimates in the Table below which includes both lower and higher estimates. The upper estimate is calculated assuming a conservative possible rise of 20 % in prices in three years time. CZK/EUR exchange rate (CZK = Czech koruna) will also play a role.

### **Accommodation**

Accommodation will not be included in the registration fee and must be organized by the participants. Prague offers many possibilities for accommodation which can be found using usual booking portals. Close to “Nádraží Holešovice” metro station are situated: Plaza Prague Hotel, Hotel Extol Inn Praha, Hotel Expo, Hotel Castle Residence. We intend to arrange accommodation for reduced rates in selected hotels during the time of the conference. The typical current costs per night ranges from about 75 EUR.

**For students:** We plan to arrange and offer inexpensive accommodation at the nearby dormitory “Kolej 17. Listopadu - Univerzita Karlova” (Pátkova 2136/3, Prague 8).

	Price in CZK/EUR
Full fee	number
Early-bird fee	number
Full student fee	number
Early-bird student fee	number
Accompanying person fee	number

### **Academic and Medical Conference Agency (AMCA)**

Services of AMCA will be used for registration, conference fee collecting, book of abstract printing, catering, social dinner.

### **Visa**

Czech Republic does not require visas from EU/EEA citizens for stays of any duration or for any purpose. Citizens of Australia, Brazil, Canada, Israel, Japan, Mexico, New Zealand, South Korea, Taiwan, the US and some other countries will also not require a visa for stays of up to 90 days. Citizens of China, India, Iran, Pakistan, Russia, South Africa, Turkey and some other countries require a visa. We will write letters of invitation to those participants who need visas well in advance and will recommend they apply for the visa well in advance.

### **Weather**

Daytime high temperatures in Prague tend to be around 24 °C early in August but fall off to near 21-22 °C near the month's end. A few of the warmer afternoons, especially early in August, can reach up near 31 °C.