

Welcome

Mini workshop on HHH and other extended scalar sector signatures (29-July 31, 2024): Overview - Indico - Mozilla Firefox

https://indico.cern.ch/event/1426791/overview

Europe/Zurich - English (United States) - Login

Mini workshop on HHH and other extended scalar sector signatures

Jul 29 - 31, 2024
Europe/Zurich timezone

Overview

- Call for Abstracts
- Registration
- Timeline
- Contribution List
- Book of Abstracts
- Participant List
- Videoconference
- Venue and Travel information
- Visa information
- Contact**

✉ indico@rh.jr

This workshop aims at gathering both theorists and experimentalists to discuss all aspects of HHH production and other signatures stemming from extended scalar sectors. The setup is informal, but we still encourage abstract submissions. Due to ongoing constructions we cannot provide individual office space.

Depending on the number of participants, i.e. in case we need official catering, a small fee might be required to cover coffee breaks and lunches. This can only be determined at a later stage and depends on number of in person participants.

Starts Jul 29, 2024, 8:00 AM
Ends Jul 31, 2024, 5:00 PM
Europe/Zurich



Application

Application for this event is currently open.



11

[Apply now](#)



Powered by [Indico v1.3.4-gis](#)

[Help](#) | [Contact](#) | [Terms and conditions](#) | [URL Shortener](#) | [Privacy](#)

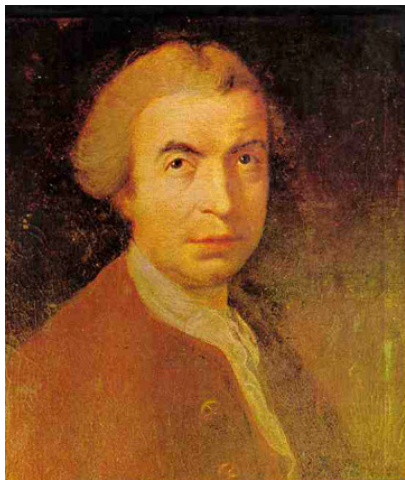


- idea: make this a **recurring event**
- **current timing: every 2 years**
- this workshop: make it possible for people who are interested to discuss new developments and intermediate results
- **also open to related topics on extended scalars**

Current schedule

- **in total 8 talks, 1 h each including questions**
- **5 in person/ 3 remote**
- roughly same attendance in person and remote

Rudjer Boskovic (18 May 1711 - 13 February 1787)



[Portrait by Robert Edge Pine, London, 1760.]



Physicist, astronomer, mathematician, philosopher, diplomat, poet, theologian, Jesuit priest, and polymath from the Republic of Ragusa. Produced a precursor of atomic theory and made many contributions to astronomy, including the first geometric procedure for determining the equator of a rotating planet from three observations of a surface feature and for computing the orbit of a planet from three observations of its position. In 1753 he also discovered the absence of atmosphere on the Moon [Wikipedia].

Rudjer Boskovic Institute



RBI IS THE LARGEST CROATIAN MULTIDISCIPLINARY RESEARCH INSTITUTE IN:

- physics
- chemistry
- marine and environmental research and geosciences
- molecular biology
- biomedicine
- computer science
- electronics/engineering



Rudjer Boskovic Institute: History

Founded by the Academy of Sciences and Arts

- Theoretical physics
- Nuclear physics
- Molecular physics
- Electronics
- * 1952 - Chemistry
- * 1954 - Biology

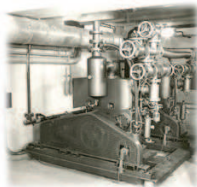
1950

1955
Independent Institute for Nuclear Energy and Nuclear Sciences, financed by the Yugoslav Federal Commission for Nuclear Energy

1957
established the first postgraduate studies in this region

1962

CYCLOTRON



Rudjer Boskovic Institute: History

Institute was reorganized to 7 Departments and achieved multidisciplinary Character

- Theoretical physics
- Nuclear and Atomic Research
- Solid state
- Electronics
- Physical Chemistry
- Organic Chemistry and Biochemistry
- Biology

1963

1969

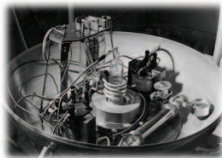
Center for Marine Research (Rovinj)

Molecular Medicine and Molecular Genetics

1990

1997

Restructured into three departments and two centers - organized into DIVISIONS



About

The Ruđer Bošković Institute is regarded as Croatia's leading scientific institute in the natural and biomedical sciences as well as marine and environmental research.

IRB IN NUMBERS

>5%

SCIENTISTS IN
CROATIA

>50 %

RESEARCH
FACILITIES IN
CROATIA

>55 %

HORIZON 2020
PROJECTS

80+

LABORATORIES

500+

SCIENTISTS AND
RESEARCHERS

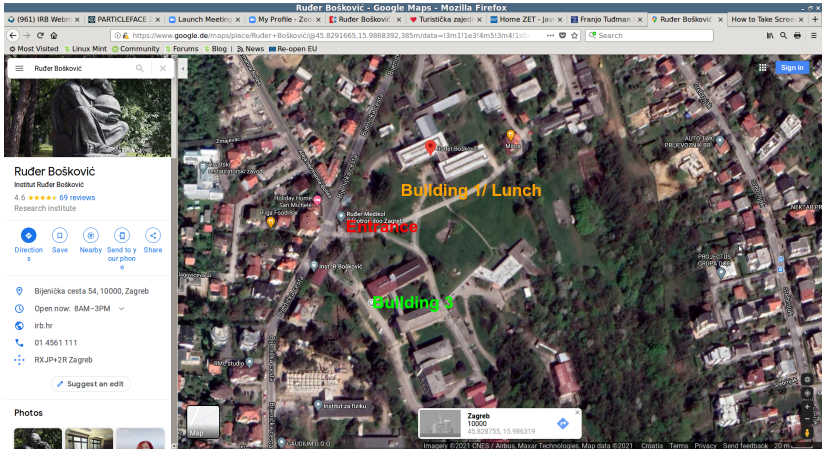
[Divisions: Theoretical Physics, Experimental Physics, Materials Physics, Electronics, Physical Chemistry, Organic Chemistry and Biochemistry, Materials Chemistry, Molecular Biology, Molecular Medicine, Marine Research (Center), Marine and Environmental Research]

Practicalities: Talks

- **Zoom details:** see webpage
 - we have a lot of time for discussions !
please ask *during* talks as well
- ⇒ **please raise hands via Zoom** (remote participants)
- **to speakers/ chairs:** please repeat questions in room
 - **all speakers:** please upload slides asap ! **before your talk**

WLAN: Eduroam/ IRB Limited

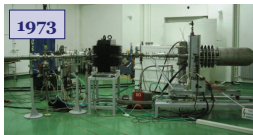
Practicalities: Location



History – accelerators of the R. Bošković Institute



1956



1973

1956 - 200 keV neutron generator
1973 - 350 keV neutron generator
(Still in use)



1987

1987 - 6 MV EN Tandem
2005 - 1 MV Tandetron



1962

1962 – 1987. Cyclotron
(20 MeV deuterons)
2009 - 18 MeV proton
cyclotron (PET isotopes)



2005



[slide by S. Fazinic, RBI]