



**FAIR**

# International Workshop on Antiproton Physics and Technology at FAIR

November 16 - 19, 2015

Budker Institute of Nuclear Physics,  
Novosibirsk, Russia

## Second bulletin

Workshop website: <http://fair15.inp.nsk.su>

**Dear colleagues,**

From 16<sup>th</sup> to 19<sup>th</sup> of November 2015 the Budker Institute of Nuclear Physics (BINP) will host the International Workshop on Antiproton Physics and Technology at FAIR. The workshop will be devoted to the physics, detector and accelerator instrumentation and data handling at the future Facility for Antiproton and Ion Research in Europe (FAIR). The scientific team of the BINP takes part in the FAIR project from its very beginning in late 1990s including the supervision of CR storage ring, Electron Cooling for several storage rings, ELISA project collider, some parts of the PANDA detector. Now when the project is getting closer to the production stage we would like to invite all our collaborators and other groups involved in FAIR to Novosibirsk in order to share the development tasks, achievements, and plans.

### Scientific Programme

- Accelerator Physics
  - storage rings
  - beam dynamics
  - beam cooling
  - beam instrumentation
  - magnetic systems
- Antiproton Physics
- Atomic Physics and Mass-Spectroscopy at the CR
- Detector instrumentation
- Data handling

### Preliminary schedule

November 14-16		Arrivals
November 16	8:30-10:00	On-site registration
	10:00	Welcome words by the BINP director
	10:20-13:00	Sessions

	15:00-18:00	Excursions to the BINP facilities: VEPP-4M/KEDR, VEPP-2000/SND/CMD-3, Plasma facilities, Free electron laser, workshop, etc.
November 17	9:00-18:00	Sessions
November 18	9:00-13:00	Sessions
	13:00-18:00	Novosibirsk Philharmonic Orchestra
	19:00-21:00	Conference dinner
November 19	9:00-18:00	Sessions
November 19-21		Departures

If you need a place for a side meeting with colleagues, please, contact the Organizing Committee in advance and we will do our best to provide you a room and a time slot for this.

## Call for Contributions

In order to apply for a presentation in one of the topical sessions, please submit a title and an abstract of your presentation via the conference page:

<http://indico.inp.nsk.su/event/2/call-for-abstracts/>

**The deadline for abstract submission is September 30, 2015.**

## Registration

Participants are invited to register by filling in an online form (<http://indico.inp.nsk.su/event/2/registration/>) including information necessary for a Russian visa application. If you travel with an accompanying person, please, submit a separate form for him/her. **Deadline for registration is October 5, 2015.**

If you register in the BINP Indico system first you will have a possibility to change your registration details later. You can alternatively send your changes by [e-mail](#) to the Organizing Committee. **Please, register as soon as possible.**

## Russian visa

If you are not a Russian citizen, you may need to apply for Russian visa prior to visiting Russian Federation. Countries that have treaties with Russia on visa-free entry are listed [here](#) (in Russian) or on [Wikipedia](#). If you do need visa, please, fill in the corresponding part of the registration form and attach a scanned copy (JPG or PDF only) of your international passport. Please, note that this process takes about **5 weeks** and the Organizing Committee kindly asks you to register as soon as possible.

## Venue and Transportation

The workshop will be held in the main conference hall of the BINP (Lavrentieva 11, 630090 Novosibirsk, Russian Federation). Parallel session, if planned, will be held in the same building elsewhere. You can see a map of surroundings [here](#).

The BINP is located in the Novosibirsk Akademgorodok that is situated about 30 km to the south of the Novosibirsk city center and about 40 km from the International airport Tolmachevo.

Novosibirsk is Russia's third-largest city, situated 3000 km to the east of Moscow in the Western part of Siberia. Novosibirsk can be reached by regular flights from Moscow and St. Petersburg. The flight takes 4 hours. There are also direct flights to Novosibirsk from Frankfurt, Berlin and Beijing.

Transportation between the airport Tolmachevo and the hotel “Zolotaya Dolina” (“Golden Valley”) will be provided by the BINP. Please, supply us with your arrival/departure date and time and flight numbers through [the registration form](#). Organizing Committee representatives will meet you in the “Arrival” area with the poster indicating your last name(s).

A shuttle bus between the hotel and the BINP will be provided at conventional times.

## About BINP

The Budker Institute of Nuclear Physics was founded in 1958 in Akademgorodok of Novosibirsk that had been just established at that time. The first director was Gersh Budker who led the pioneering research on particle colliding techniques. In the BINP one of the world first collider VEP-1 was built and successfully employed.

Now the BINP is the largest academic institution in Russia with more than 2800 employees. The BINP carries out forefront research in the following fields of physics: particle physics, plasma physics and thermonuclear synthesis, synchrotron radiation sources, free electron lasers. Our institute features its own large experimental workshop (about 1000 workers) with high-tech tooling and equipment.

The BINP hosts several chairs of the Novosibirsk State University (NSU), located nearby, and a chair of the Novosibirsk State Technical University (NSTU).

The NSU is ranked 3<sup>rd</sup> among Russian universities and 300-350 among universities in the world. The NSU has a program of international postdoc positions. In near future the NSU will deploy awarding of the PhD degree for international students.

## Registration fee

Participant's registration fee is 300€ or 340\$ or 23000RUB. We are sorry, there will be no discounts for young participants. Registration fee should be paid by cash in Euros, Russian Rubles or USD during the on-site registration. Sorry, we do not accept credit cards. The receipt will be provided on request. The fee covers the following services and materials:

- Participant kit (badge, bag, program, notebook, pen)
- Lunches in the BINP canteen
- Coffee breaks
- Conference dinner
- Concert
- Postal expenses for invitations (for those who need Russian visa)

## Accommodation

Participants of the Conference will be offered rooms in the hotel “Zolotaya dolina” (“Golden Valley”) located 1.4 km from the venue.

*Hotel address: Ilyicha 10, 630090 Novosibirsk*

*Phone: +7 (383) 330-36-09,*

*Check-in and check-out time: 12:00 (noon).*

*The hotel reception desk is open 24/7.*

Room type	Rate per room (person), RUB per night		
	Full	Discount 1	Discount 2
Luxury single	7200	5800	5800

Luxury double with king-size bed	4400	3600	3700
Luxury double with two beds	4400 (2200)	3600 (1800)	3700 (1800)
Semi-Lux double with king-size bed	3200	2600	2800
Double (two beds)	3200 (1600)	1100 (550)	2800 (1400)
Single	2600	650	2300
Single low-price	1800	650	1500

Discount 1 is applicable to travelling (SB) RAS employees.

Discount 2 is applicable to other conference attendees if booked through the organizing committee.

VAT (18%) included in all rates.

Breakfast costs 270 RUB/day and is not included in the room rate. You should book it separately upon check-in. You can pay by cash (Russian rubles only) or by Visa/MasterCard/Maestro cards at the hotel reception. Travel cheques and Visa-Electron cards are not accepted. Additionally, the hotel charges 25% of a room rate for one night for booking. **Note: discounts are available only if you book through the Organizing Committee** (on the [web site](#) or by [e-mail](#)).

## Wi-Fi access

The Wi-Fi access to Internet will be provided for participants in the conference halls.

## Weather

Novosibirsk has a distinctive continental climate with its usual high variation of temperatures. Mean temperature in November is  $-7^{\circ}\text{C}$  but can vary between  $0^{\circ}\text{C}$  and  $-20^{\circ}\text{C}$  reaching occasionally  $-30^{\circ}\text{C}$ . We recommend having warm winter clothes with you.

## Committees

International Advisory Committee	Local Organizing Committee
Oleksiy Dolinsky, GSI (Darmstadt, Germany)	Dmitry Berkaev
Lyn Evans, Imperial College London (UK), CERN	Viktor Bobrovnikov
Paola Gianotti, LNF INFN (Frascati, Italy)	Sergey Kononov (secretary)
Hans Gutbrod, GSI (Darmstadt, Germany)	Evgeniy Kravchenko
Ivan Koop, BINP (Novosibirsk, Russia)	Maksim Kuzin
Valeri Lebedev, Fermilab (USA)	Yuri Rogovsky
Igor Meshkov, JINR (Dubna, Russia)	Petr Shatunov (chair)
Dieter Prasuhn, FZ Jülich (Germany)	Dr. Andrey Sokolov
James Ritman, FZ Jülich (Germany)	Alexandr Senchenko
Sergey Serednyakov, BINP (Novosibirsk, Russia)	
Yuri Tikhonov, BINP (Novosibirsk, Russia)	
Grigory Trubnikov, JINR (Dubna, Russia)	

Yuri Shatunov, BINP (Novosibirsk, Russia) Alexander Vasiliev, IHEP (Protvino, Russia) Carsten P. Welsch, Cockcroft Institute (UK)	
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## Contact persons

*Scientific secretary:*

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*Chair*

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**Looking forward to seeing you in Novosibirsk!**