



THE XIII-th INTERNATIONAL SCHOOL-CONFERENCE
"THE ACTUAL PROBLEMS OF MICROWORLD PHYSICS"

Gomel, Belarus, July 27 – August 7, 2015

Dedicated to the 60th Anniversary of the Joint Institute for Nuclear Research

Information on the School-Conference is available at <http://gomelschool.hep.by/>

ORGANIZERS

Joint Institute for Nuclear Research	(Dubna, Russia)
National Center of Particle and High Energy Physics of the Belarusian State University	(Minsk, Belarus)
B. Stepanov Institute of Physics of the National Academy of Sciences of Belarus	(Minsk, Belarus)
Gomel Branch of the National Academy of Sciences of Belarus	(Gomel, Belarus)
F. Skorina Gomel State University	(Gomel, Belarus)
P. Sukhoi Gomel State Technical University	(Gomel, Belarus)

SCIENTIFIC PROGRAMME

Lecturers from JINR, its member-states and other countries will deliver lectures on the following topics:

- status and main recent experimental results from LHC and other accelerators,
- physics with future linear colliders (ILC, CLIC, ...),
- projects NICA and FAIR: status and perspectives,
- non-accelerator physics,
- physics "in" and "beyond" the Standard Model,
- soft and hard QCD processes, jets, hard diffraction, quark-gluon media,
- relativistic nuclear physics,
- new trends in quantum field theory,
- review lectures on new trends in technologies, nanotechnologies, information technologies, quantum computing technologies and new materials.

All students are invited to contribute original research papers as posters.

Place

By tradition the School-Conference will take place in the sanatorium "Zolotye Peski" ("Golden Sands"). The sanatorium is a resort situated on the bank of the Sozh river in the picturesque pine and oak park, about 30 – 45 minutes' drive by road south of Gomel.

The address: Sanatorium "Zolotye Peski", 247019 Gomel region, p/o Novaya Guta

Tel.: + 375 232 913517

Tel.: + 375 232 913580

Fax.: + 375 232 913523

e-mail: zpm@sanatorium.by

<http://www.sanatorium.by/>

The city of Gomel for population and size rates second in the Republic of Belarus. It's an industrial, educational, scientific and cultural centre. One may enjoy walking in the beautiful park with a hundred species of trees and see the Paskevich palace situated in the park as well as visit one of Gomel theatres.

The participants will be **accommodated** in big sleeping buildings and smaller cottages, the rooms have bath/shower. Three **meals** per-day made to order will be served in the sanatorium canteen. Traditional Belarusian dishes will be suggested. The **facilities** available are: a swimming pool with mineral water, a football field, a sports hall, a billiard, a small shop, a bar, a library. **Medical and health-improving facilities** are available partly free of charge and some should be paid for. There is a spring of local mineral water available on the territory of the sanatorium.

Climate

Although we hope for warm and sunny weather rain may be part of the picture.

Time-Table

27.07 – arrival day

28.07–31.07, 03.08–06.08, – working days

01.08–02.08 – days off

07.08– departure day

Participation

A total of about 130 participants is expected to take part in the School-Conference. Persons wishing to attend should register electronically using the website of the conference. If any problems appear, please, apply to the School Secretaries by e-mail or fax.

The addresses one can find at the site and are given at the end of this Bulletin.

Official invitations will be sent to the applicants after consideration of their applications. The **deadline for applying** is June 10, 2015.

REGISTRATION FEE

The registration fee, of 780 USD per participant and 660 USD per accompanying person, includes:

- car transportation from Minsk airport to Gomel and back,
- accommodation and meals,
- refreshments during the breaks, welcome party,
- social programme,
- a copy of the School proceedings.

The fee will be accepted only in cash in US dollars or Euro during the registration of participants on their arrival.

LANGUAGE

English is the working language of the School-Conference and publications.

CONTRIBUTIONS

All presented lectures will be included in the School-Conference Proceedings. The posters will be published as thesis (title and abstract) or in some cases as articles. This point is at the Organizing Committee discretion. Contributions should not exceed 15 pages for a lecture and 5 pages for a poster. They have to be presented as a LaTeX file. The following sizes have to be used as a model for your article:

12 pt, textwidth = 133 mm, textheight = 196 mm. Tables and figures with captions have to be included into the text or placed after the bibliography. \epsfig style can be used. Ps and eps files for figures have to be presented also. Do not begin REFERENCES on a new page unless this is absolutely necessary. Participants are asked to check attentively their own papers (spelling, equations, references, etc.)

Please send your contribution by e-mail: gomelschool@hep.by (preferred) or makarenko@hep.by. It is helpful to submit also the hard copy of your article to the Organizing Committee on the day of arrival.

VISAS

Participants from most countries must have Belarusian visas to enter Belarus. To obtain Belarusian visa in time an official invitation should be presented to the Belarusian Consulate (the addresses and phone/fax numbers are enclosed) several weeks before your departure.

The visa fee may be varied in different countries. For example in the USA it is about \$130.

To issue an official invitation the School Secretariat needs your personal data. Please fill in the registration page at our site carefully!

ATTENTION! In the case there is no Belarusian Consulate in your country it is possible to get the Belarusian visa at the airport MINSK-2 upon arrival.

NOTA BENE! If you are going to reach the School (Gomel, Belarus) via Russia you are kindly requested to inform Elena Russakovich not later than May 15, 2015, as in such a case you will need both Russian and Belarusian visas, and two different invitations (to Russia and Belarus) will be provided.

TRANSPORTATION

Participants who wish to be met at Minsk or Gomel Airports are kindly requested to inform the Belarusian Organizing Committee by e-mail or fax of the exact flight number, date and time of arrival at least three working days before. Outside the airport, the car will be parked in the fenced-off area opposite the airport exit, and the mark "GOMELSCHOOL 2015" will be on the windscreen.

It is possible to contact the Organizing Committee in Minsk from the airport by telephone, # 2926075, 2927259 and in Gomel, #(0232) 578253 (during office hours 9.00--13.00, 14.00--18.00).

There is a regular train service to Gomel from Minsk (it takes nearly 5 hours).

Social programme

A welcome party will be held on Tuesday, 28 July.

A barbeque is planned for Saturday, August 1.

An excursion to Gomel and a countryside museum are planned for Saturday, August 1.

School dinner will be on Thursday, 6 August.

INTERNATIONAL ADVISORY COMMITTEE

V.Matveev	JINR	Dubna	Russia	Chairman
V.Anishchik	BSU	Minsk	Belarus	
V.Barychevsky	INP BSU	Minsk	Belarus	
M.Itkis	JINR	Dubna	Russia	
P.Jenni	CERN	Geneva	Switzerland	
S.Kilin	NAS	Minsk	Belarus	
W.Lohmann	DESY	Zeuthen	Germany	
V.Savrin	SINP MSU	Moscow	Russia	
G.Shirkov	JINR	Dubna	Russia	
G.Snow	LSU	Nebraska	USA	
V.Strazhev	BSU	Minsk	Belarus	
L.Tomilchik	IP NAS	Minsk	Belarus	
G.Tonelli	INFN and Univ.	Pisa	Italy	

Organization of the School is carried out by the JINR Organizing Committee under the chairmanship of the JINR Director Professor Victor Matveev and Belarus Organizing Committee under the chairmanship of the Chairman of the State Committee on Science & Technology, the Plenipotentiary of the Belarus Government at JINR Doctor of Sciences Alexander Shumilin.

JINR ORGANIZING COMMITTEE

V.Matveev	Chairman
N.Russakovich	Vice-Chairman
S.Pakulyak	Vice-Chairman

Members of the Organizing Committee:

V.Bednyakov, S.Dmitriev, I.Golutvin, V.Kekelidze, V.Korenkov, E.Russakovich, V.Shvetsov, V.Voronov

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V.Andreev	(Gomel)	Rector
V.Makarenko	(Minsk)	Scientific Secretary
O.Deryuzhkova	(Gomel)	Scientific Secretary

Members of the Organizing Committee:

I.Feranchuk (Minsk), Yu.Kurochkin (Minsk), V.Kuvshinov (Minsk), N.Maksimenko (Gomel), V.Mossolov (Minsk), V.Orlovich (Minsk), N.Pershay (Minsk), B.Pirshtuk (Gomel), V.Prokoshin (Minsk), A.Rogachev (Gomel), S.Sinyukovich (Minsk), O.Solovtsova (Gomel), V.Stankevich (Gomel), S.Timoshin (Gomel), A.Yankovich (Gomel)

Addresses for correspondence:

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If any problem appears, please, contact us any time.