

**Program of the international workshop**

**“First results from the LHC  
and their physical interpretation”**

*IHEP, Protvino, Russia  
19-21 October 2010*



## The Time Schedule

| <b>Tuesday, October 19</b> | <b>Wednesday, October 20</b> | <b>Thursday, October 21</b> |
|----------------------------|------------------------------|-----------------------------|
| <i>N.E. Tyurin</i>         | <i>I. Tsukerman</i>          | <i>Yu. Kharlov</i>          |
| <i>W. Venturini</i>        | <i>D.F. Teyssier</i>         | <i>C. Roda</i>              |
| <i>M. Jeitler</i>          | <i>A. Sobol</i>              | <i>I. Korolkov</i>          |
| <i>A. Solodkov</i>         | <i>M. Shapkin</i>            | <i>D. Peressounko</i>       |
| <i>G. Boudoul</i>          | <i>S.V. Ivanov</i>           | <i>S. Spagnolo</i>          |
| <i>R. Castello</i>         |                              | <i>L. Smirnova</i>          |
| <i>R. Mashinistov</i>      |                              | <i>L. Scodellaro</i>        |
| <i>Yu. Potrebenikov</i>    |                              | <i>L. Gladilin</i>          |
| <i>I. Belyaev</i>          |                              | <i>A. Luchinsky</i>         |
| <i>S. Sadovsky</i>         |                              | <i>S. Troshin</i>           |
| <i>J. Navarro</i>          |                              | <i>A. Zaitsev</i>           |
| <i>J. Santaolalla</i>      |                              | <i>A. Likhoded</i>          |
| <i>M. Kirsanov</i>         |                              | <i>V. Petrov</i>            |
| <i>C. Diez Pardos</i>      |                              | <i>N.E. Tyurin</i>          |
| <i>E. Sedykh</i>           |                              |                             |

## Registration

*Monday, October 18 - reception of the Hotel "Protva" 19:00-21:00*

*Tuesday, October 19 - IHEP, Theoretical Division 8:30-10:00*

**See information desk for details**

**This Workshop is partly supported by**

- the Russian Foundation for Basic Research, grant no. 10-02-06147-Г
- Institute for High Energy Physics, Protvino

## Tuesday, October 19

Morning session 9:00-13:20

Chairman:

- 9:00 **N.E. Tyurin (IHEP, Protvino)**  
"Opening Address"  
9:10 **W. Venturini (CERN, Geneva, Switzerland)**  
"Status of the LHC machine"  
9:50 **M. Jeitler (HEPHY, Vienna, Austria)**  
"The CMS experiment: status, performance and selected results"  
10:30 **A. Solodkov (IHEP, Protvino)**  
"ATLAS status, operation and performance"

11:10-11:30 Coffee break

Chairman:

- 11:30 **G. Boudoul (IPNL, Lyon, France)**  
"CMS Silicon Strip Tracker Operation and Performance"  
12:00 **R. Castello (University of Torino & INFN, Italy)**  
"CMS track reconstruction and performance during pp collisions at  $\sqrt{s}=7$  TeV"  
12:30 **R. Mashinistov (P.N. Lebedev Institute of Physics, FIAN, Moscow)**  
"Performance of the ATLAS Transition Radiation Tracker with Cosmic Rays and First High Energy Collisions at LHC"  
13:00 **Yu. Potrebenikov (JINR, Dubna)**  
"Magnetic spectrometer based on the straw operated in vacuum environment"

13:30-15:00 Lunch

Evening session 15:00-19:00

Chairman:

- 15:00 **I. Belyaev (ITEP, Moscow/Nikhef, Amsterdam)**  
"Status of LHCb"  
15:40 **S. Sadovsky (IHEP, Protvino)**  
"First ALICE Results"  
16:10 **J. Navarro (CERN, Geneva, Switzerland)**  
"W/Z Physics at ATLAS"  
16:40 **J. Santaolalla (CIEMAT, Madrid, Spain)**  
"W/Z physics at CMS"

17:10-17:30 Coffee break

Chairman:

- 17:30 **M. Kirsanov (INR, Moscow)**  
"Search for Scalar Leptoquarks Using Events Containing Two Leptons and Two Jets in CMS"  
18:00 **C. Diez Pardos (CIEMAT, Madrid, Spain)**  
"First searches for physics beyond the Standard Model at CMS"  
18:30 **E. Sedykh (PNPI, Gatchina, S.-Petersburg)**  
"Early searches for new physics with the ATLAS detector"

19:00 Welcome drink

## Wednesday, October 20

Morning session 9:30-12:20

Chairman:

- 9:30 **I. Tsukerman (ITEP, Moscow)**  
"SM Higgs searches in the early ATLAS data"
- 10:00 **D.F. Teyssier (RWTH, III. Physik. Inst. A, Aachen, Germany)**  
"Prospects for physics with  $1 \text{ fb}^{-1}$  at CMS"
- 10:30 **A.Sobol (IHEP, Protvino)**  
"Forward physics at CMS"
- 11:00 **M. Shapkin (IHEP, Protvino)**  
"Inclusive production of Ks and Lambda at  $\sqrt{s} = 0.9$  and 7 TeV"

11:30-11:50 Coffee break

Chairman:

- 11:50 **S.V. Ivanov (IHEP, Protvino)**  
"Russian Counterpart of LHC — Accelerator Complex U70 of IHEP"

12:20-13:20 Lunch

13:30-18:00 Excursion to Polenovo Manor & Museum

19:00 Conference dinner

## Thursday, October 21

Morning session 9:30-12:50

Chairman:

- 9:30 **Yu. Kharlov (IHEP, Protvino)**  
"Neutral meson spectra measurements in pp collisions at 7 TeV with ALICE"
- 10:00 **C. Roda (INFN Sezione di Pisa, Italy)**  
"Non-perturbative QCD measurements in ATLAS"
- 10:30 **I. Korolkov (IFAE, Barcelona, Spain)**  
"ATLAS results on QCD"

11:00-11:20 Coffee break

Chairman:

- 11:20 **D. Peressounko (RRC "Kurchatov Institute", Moscow)**  
"Photon physics in ALICE"
- 11:50 **S. Spagnolo (INFN, Lecce, Italy)**  
"J/Psi Physics at ATLAS"
- 12:20 **L. Smirnova (SINP MSU, Moscow)**  
"Expected b-quark production at the LHC"

13:00-14:30 Lunch

Evening session 14:30-18:30

Chairman:

- 14:30 **L. Scodellaro (IFCA, Santander, Spain)**  
"Top quark physics at CMS"
- 15:00 **L. Gladilin (MSU, Moscow)**  
"Measurement of D-mesons production at LHC with ATLAS"
- 15:30 **A. Luchinsky (IHEP, Protvino)**  
"Exclusive Bc-meson decays at LHC"
- 16:00 **S. Troshin (IHEP, Protvino)**  
"Collective effects in multiparticle production at the LHC"

16:30-16:50 Coffee break

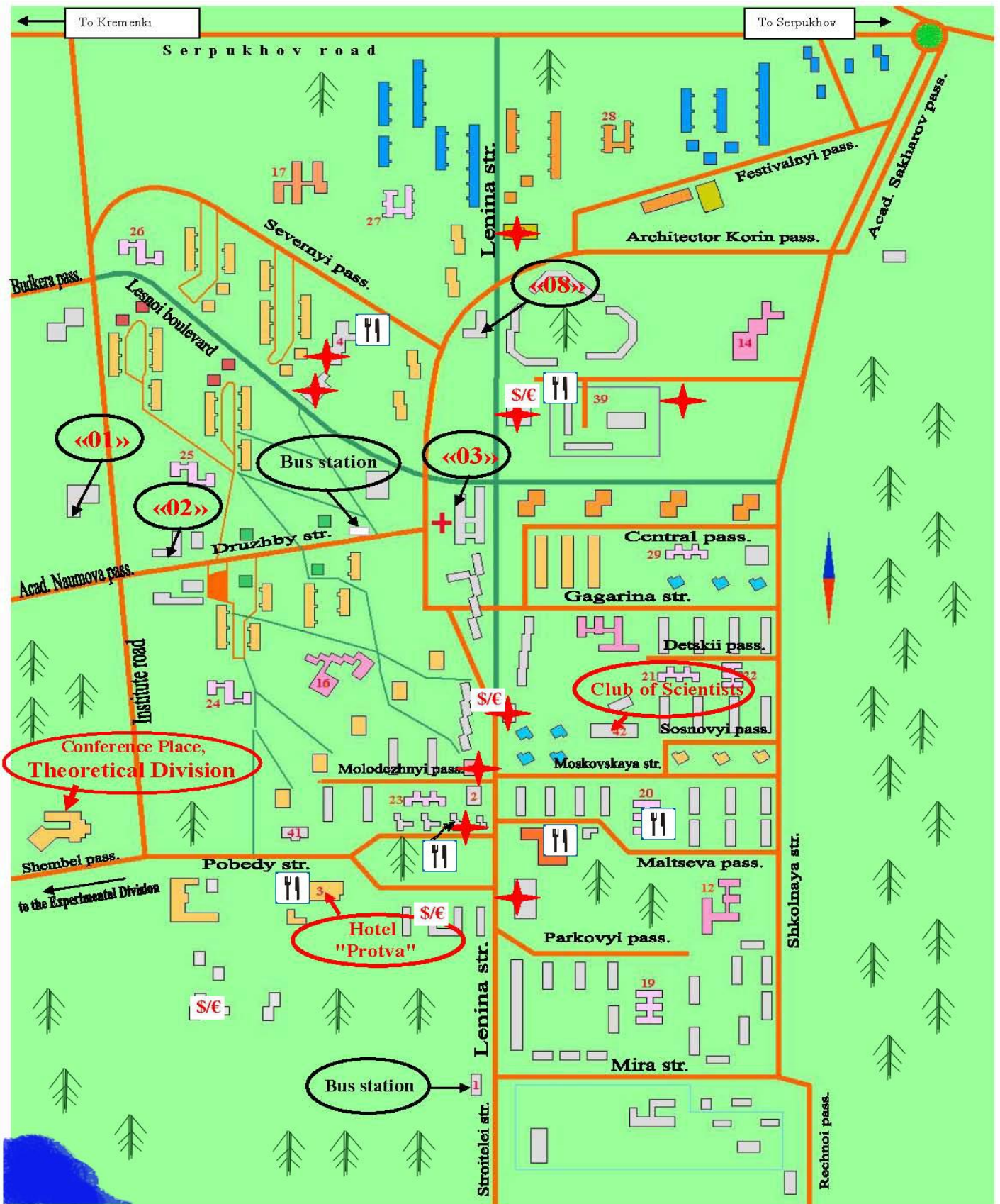
Chairman:

- Summary talks*
- 16:50 **A. Zaitsev (IHEP, Protvino)**
- 17:20 **A. Likhoded (IHEP, Protvino)**
- 17:50 **V. Petrov (IHEP, Protvino)**
- 18:20 **N.E. Tyurin (IHEP, Protvino)**  
"Closing Address"

19:00 Farewell drink

## List of participants

|                              |   |                                 |  |
|------------------------------|---|---------------------------------|--|
| <b>Ahmadov Faig</b>          | JINR, Dubna, Russia                                   | <b>Pernicka Manfred</b>         | IHEP, Vienna, Austria                          |
| <b>Azhgirey Igor</b>         | IHEP, Protvino, Russia                                | <b>Petrov Vladimir</b>          | IHEP, Protvino, Russia                         |
| <b>Belotsky Konstantin</b>   | MEPhI, Moscow, Russia                                 | <b>Potrebennikov Yurii</b>      | JINR, Dubna, Russia                            |
| <b>Belyaev Ivan</b>          | ITEP, Moscow, Russia/<br>Nikhef, Amsterdam            | <b>Roda Chiara</b>              | INFN Sezione di Pisa, Italy                    |
| <b>Bitjukov Sergei</b>       | IHEP, Protvino, Russia                                | <b>Ryabov Yury</b>              | IHEP, Protvino, Russia                         |
| <b>Boudoul Gaelle</b>        | IPNL, Lyon, France                                    | <b>Ryutin Roman</b>             | IHEP, Protvino, Russia                         |
| <b>Castello Roberto</b>      | University of Torino &<br>INFN, Italy                 | <b>Sadovsky Sergei</b>          | IHEP, Protvino, Russia                         |
| <b>Charlton Dave</b>         | University of Birmingham,<br>UK                       | <b>Santaolalla Javier</b>       | CIEMAT, Madrid, Spain                          |
| <b>Diez Pardos Carmen</b>    | CIEMAT, Madrid, Spain                                 | <b>Scodellaro Luca</b>          | IFCA, Spain                                    |
| <b>Gianotti Fabiola</b>      | CERN, Geneva, Switzerland                             | <b>Sedykh Evgeny</b>            | PNPI, Gatchina, Russia                         |
| <b>Gladilin Leonid</b>       | MSU, Moscow, Russia                                   | <b>Shapkin Mikhail</b>          | IHEP, Protvino                                 |
| <b>Ivanov Sergei</b>         | IHEP, Protvino, Russia                                | <b>Skovpen Kirill</b>           | BINP, Novosibirsk, Russia                      |
| <b>Jeitler Manfred</b>       | HEPHY, Vienna, Austria                                | <b>Smirnova Lidia</b>           | SINP MSU, Moscow, Russia                       |
| <b>Kachanov Vasily</b>       | IHEP, Protvino, Russia                                | <b>Sobol Andrei</b>             | IHEP, Protvino, Russia                         |
| <b>Kharlov Yurii</b>         | IHEP, Protvino, Russia                                | <b>Solodkov Alexander</b>       | IHEP, Protvino, Russia                         |
| <b>Kirsanov Mikhail</b>      | INR, Moscow, Russia                                   | <b>Solovyanov Oleg</b>          | IHEP, Protvino, Russia                         |
| <b>Korolkov Ilya</b>         | IFAE, Barcelona, Spain                                | <b>Spagnolo Stefania</b>        | INFN, Lecce, Italy                             |
| <b>Lankford Andrew James</b> | University of California<br>Irvine, Pennsylvania, USA | <b>Teyssier Daniel Francois</b> | RWTH, III. Physik. Inst. A,<br>Aachen, Germany |
| <b>Likhoded Anatolii</b>     | IHEP, Protvino, Russia                                | <b>Tikhomirov Vladimir</b>      | FIAN, Moscow, Russia                           |
| <b>Luchinsky Alexey</b>      | IHEP, Protvino, Russia                                | <b>Troshin Sergei</b>           | IHEP, Protvino, Russia                         |
| <b>Mashinistov Ruslan</b>    | FIAN, Moscow, Russia                                  | <b>Tsukerman Ilya</b>           | ITEP, Moscow, Russia                           |
| <b>Myagkov Alexey</b>        | IHEP, Protvino, Russia                                | <b>Tyurin Nikolai</b>           | IHEP, Protvino, Russia                         |
| <b>Navarro Jose</b>          | University of Geneva,<br>Switzerland                  | <b>Uzunyan Andrei</b>           | IHEP, Protvino, Russia                         |
| <b>Nessi Marzio</b>          | CERN, Geneva, Switzerland                             | <b>Venturini Walter</b>         | CERN, Geneva, Switzerland                      |
| <b>Nordberg Markus</b>       | CERN, Geneva, Switzerland                             | <b>Zaitsev Alexander</b>        | IHEP, Protvino, Russia                         |
| <b>Obraztsov Vladimir</b>    | IHEP, Protvino, Russia                                |                                 |  |
| <b>Peressounko Dmitrii</b>   | RRC "Kurchatov Institute",<br>Russia                  |                                 |  |



- Supermarkets and shops
- S/€ Exchange
- Restaurants, cafés