

# Spin-Praha-2010

July 18-25, 2010

## Scientific Programme

July 18, 2010 Sunday

### Arrival

16:00 - 19:00 Registration 180'

July 19, 2010 Monday

### Opening

09:30 - 09:40 [Finger Miroslav](#) (CUNI FMP Prague/JINR Dubna) 10'

09:40 - 09:55 [Lednicky Richard](#) (JINR Dubna) 15'

09:55 - 10:10 [Skrbek Ladislav](#) (CUNI Prague) 15'

### Session 1 Chairperson: Skrbek Ladislav

10:10 - 11:00 Arduini Gianluigi (CERN) 50'

[The CERN LHC status](#)

11:00 - 11:20 *Coffe break* 20'

### Session 2 Chairperson: Vrba Vaclav

11:20 - 12:10 Beck Hans Peter (University of Bern) 50'

[ATLAS status and results](#)

12:10 - 13:00 Orimoto Toyoko (CERN) 50'

[Status of the CMS Experiment](#)

13:00 - 14:00 *Lunch* 60'

### Session 3 Chairperson: Finger Miroslav

14:00 - 14:50 Augustin Ingo (GSI) 50'

[The FAIR Project](#)

14:50 - 15:40 Maggiora Marco (University and INFN Torino) 50'

[Possible spin programme at FAIR](#)

15:40 - 16:00 *Coffe break* 20'

### Session 4 Chairperson: Kovalenko Alexander

16:00 - 16:50 Corti Gloria (CERN) 50'

[The LHCb experiment status](#)

16:50 - 17:20 Gao Yanyan (Fermilab) 30'

[Spin and symmetries in analysis of single-produced resonances at LHC](#)

17:20 - 18:10 Niiyama Masayuki (Kyoto University) 50'

[LEPS I and II GeV photons for hadron physics](#)

### Welcome Party

19:00 - 21:00 Faculty of Mathematics and Physics, Campus Pelc Tyrolka 120'

July 20, 2010 Tuesday

**Session 5 Chairperson: Meshkov Igor**

- 09:00 - 09:50 Sorin Alexander (JINR Dubna) 50'  
[Status of the NICA project at JINR](#)
- 09:50 - 10:40 Kovalenko Alexander (JINR Dubna) 50'  
[Nuclotron-M at JINR NICA Project: Recent Results and Nearest Future Plans](#)
- 10:40 - 11:00 **Coffe break** 20'

**Session 6 Chairperson: Sorin Alexander**

- 11:00 - 11:50 Meshkov Igor (JINR Dubna) 50'  
[Polarized hadron beams in NICA project](#)
- 11:50 - 12:20 Fimushkin Victor (JINR Dubna) 30'  
[Status of the Source of Polarized Ions \(JINR Accelerator Complex\)](#)
- 12:20 - 12:50 Peshekhonov Dmitry (JINR Dubna) 30'  
[Spin physics at COMPASS-2 and perspective of the spin physics at JINR](#)
- 12:50 - 14:00 **Lunch** 90'

**Session 7 Chairperson: Finger Michael**

- 14:00 - 14:50 Friedrich Jan (TU Munchen) 50'  
[Tests of Chiral Perturbation Theory in Primakoff Reactions at COMPASS](#)
- 14:50 - 15:20 Guskov Alexey (JINR Dubna) 30'  
[Charged pion polarizabilities measurement at the COMPASS experiment](#)
- 15:20 - 15:50 Panknin Regine (Bonn University) 30;  
[Fragmentation Functions from Hadron Multiplicities from the Production of Charged Kaons on Deuterons](#)
- 15:50 - 16:20 Efremov Anatoly (JINR Dubna) 30'  
[2\) Azimuthal asymmetries :of charget hadrons in SIDIS of longitudinally polarized deuterons at COMPASS](#)
- 16:20 - 16:40 **Coffe break** 20'

**Session 8 Chairperson: Friedrich Jan**

- 16:40 - 17:10 Sznajder Pawel (Andrzej Soltan INS Warsaw) 30'  
[Exclusive  \$\rho^0\$  production off transversely polarised targets](#)
- 17:10 - 17:40 Rajotte Jean-Francois (Ludwig Maximilians University Munich) 30'  
[Hadron distributions results at COMPASS](#)
- 17:40 - 18:10 Downie Evangeline Joy (Johannes Gutenberg Univ. Mainz) 30'  
[Double Polarised Experiments with the new Mainz Frozen Spin Target and the Crystal Ball at MAMI](#)
- 18:10 - 19:00 Teryaev Oleg (JINR Dubna) 50'  
*Axial anomalies and polarization effects in heavy ions collisions*

## July 21, 2010 Wednesday

### Session 9 Chairperson: Augustin Ingo

09:00 - 09:50	Surrow Bernd (MIT) <a href="#">2) STAR W results</a>	50'
09:50 - 10:40	Bazilevsky Alexander (BNL) <a href="#">PHENIX deltaG program: results and plans</a>	50'
10:40 - 11:00	<i>Coffe break</i>	20'

### Session 10 Chairperson: Bazilevsky Alexander

11:00 - 11:50	Kim Young Jin (University of Illinois, Urbana) <a href="#">First measurement and future prospects for measurements of single spin asymmetries in W-production with the PHENIX experiment at RHIC</a>	50'
11:50 - 12:20	Surrow Bernd (MIT) <a href="#">1) STAR gluon polarization results</a>	30'
12:20 - 13:10	Mitrovski Michael (Frankfurt University) <a href="#">The Beam Energy Scan (BES) at RHIC Program</a>	50'
13:10 - 14:10	<i>Lunch</i>	60'

### Session 11 Chairperson: Surrow Bernd

14:10 - 15:00	Lehmann Inti (University of Glasgow) <a href="#">Physics at the PANDA Experiment at FAIR</a>	50'
15:00 - 15:50	Anefalos Pereira Sergio (Laboratori Nazionali di Frascati) <a href="#">Hyperon Production and Polarization with CLAS at Jefferson Lab</a>	50'
18:00 - 19:00	<i>Excursion to Carolinum</i>	60'
19:00 - 20:00	<i>Concert of Clasical Music at Aula Magna Carolina</i>	60'

## July 22, 2010 Thursday

### Session 12 Chairperson: Finger Miroslav

- 09:00 - 09:50 Cocolios Thomas Elias (CERN) 50'  
[Shape coexistence at low excitation energy in the polonium isotopes studied at \(HIE\)ISOLDE](#)
- 09:50 - 10:40 Ejiri Hiro (RCNP, Osaka University) 50'  
[Neutrino nuclear-spin responses for astro-particle physics by nuclear, photon and lepton reactions.](#)
- 10:40 - 11:00 **Coffe break** 20'

### Session 13 Chairperson: Prokofyev Alexander

- 11:00 - 11:50 Finger Michael (CUNI FMP Prague/JINR Dubna) 50'  
[1\) Particle identification using ring Cherenkov detector technology at COMPASS](#)
- 11:50 - 12:20 Polak Jaroslav (TU Liberec) 30'  
[Progress towards a new generation of gaseous photon detectors for Cherenkov imaging applications](#)
- 12:20 - 12:50 Steiger Lukas (TUL Liberec) 30'  
*Mirror alignment in RICH detectors*
- 12:50 - 14:00 **Lunch** 70'

### Session 14 Chairperson: Ejiri Hiro

- 14:00 - 14:30 Krumshteyn Zinoviy (JINR Dubna) 30'  
[New electromagnetic calorimeter for GPD measurements at COMPASS](#)
- 14:30 - 15:00 Hoepfner Christian (TU Munchen) 30'  
[Luminosity Determination at COMPASS](#)
- 15:00 - 15:30 Flekova Lucie (CTU, Prague) 30'  
[COMPASS database upgrade](#)

### **Conference Banquet**

- 19:00 - 22:00 **Conference Banquet** 240'

July 23, 2010 Friday

**Session 15 Chairperson: Gerasimov Sergo**

- 09:00 - 09:50 Efremov Anatoly (JINR Dubna) 50'  
[1\) Model relations between transverse momentum dependent parton distribution functions](#)
- 09:50 - 10:40 Goloskokov Sergey (JINR Dubna) 50'  
[Effects of quark GPDs in meson electroproduction](#)
- 10:40 - 11:00 Coffe break 20'

**Session 16 Chairperson: Efremov Anatoly**

- 11:00 - 11:50 Dorokhov Alexander (JINR Dubna) 50'  
[Transverse spin structure of pion within the instanton model](#)
- 11:50 - 12:40 Sidorov Alexander (JINR Dubna) 50'  
[A combined QCD analysis of polarized inclusive and semi-inclusive DIS data](#)
- 12:40 - 13:10 Zavada Petr (PI Prague) 30'  
[The link between TMDs and PDFs in covariant quark-parton model with orbital motion](#)
- 13:10 - 14:00 Lunch 50'

**Session 17 Chairperson: Strokovsky Eugene**

- 14:00 - 14:30 Shimanskiy Stepan (JINR Dubna) 30'  
[1\) High  \$p\_T\$  physics at Nuclotron-M/Nica: physics of the cold high density baryon matter](#)
- 14:30 - 15:00 Shimanskiy Stepan (JINR Dubna) 30'  
2) High  $p_T$  physics at Nuclotron-M/Nica: spin physics
- 15:00 - 15:30 Bonvech Elena (Skobeltsyn INP MSU, Moscow) 30'  
[Experiment SPHERE-2: status 2010](#)
- 15:30 - 16:00 Kolganova Elena (JINR Dubna) 30'  
Three-atomic systems in framework of three-dimensional Faddeev equations
- 16:00 - 16:20 Coffe break 20'

**Session 18 Chairperson: Prochazka Ivan**

- 16:20 - 16:50 Sharov Vasily (JINR Dubna) 30'  
[Measurement of spin-dependent  \$np\$  observables using high intensity polarized deuteron beams at the Nuclotron-M](#)
- 16:50 - 17:20 Reznikov Sergey (JINR Dubna) 30'  
[Conception of the deuteron beam polarimetry at Nuclotron-M/NICA](#)
- 17:20 - 17:50 Gurchin Yuri (JINR Dubna) 30'  
[Deuteron-proton elastic scattering as a tool for the deuteron beam polarimetry at Nuclotron-M](#)

July 24, 2010 Saturday

**Session 19 Chairperson: Zavada Petr**

09:00 - 09:50	Gerasimov Sergo (JINR Dubna)	50'
	<a href="#"><i>The inference of a simple model for the <math>O^{\pm}</math>-quarkonium nonet(s) and glueball mixing</i></a>	
09:50 - 10:20	Christova Ekaterina (INRNE BAS Sofia)	30'
	<a href="#"><i>On model independent determination of the Fragmentation Functions</i></a>	
10:20 - 10:50	Klopot Yaroslav (JINR Dubna)	30'
	<a href="#"><i>Quark-hadron duality and 't Hooft's principle</i></a>	
10:50 - 11:20	Baranov Sergey (Lebedev Institute, Moscow)	30'
	<a href="#"><i>Associated Upsilon + gamma production at the LHC in the k_t-factorization approach</i></a>	
11:20 - 11:40	Coffe break	20'

**Session 20 Chairperson: Christova Ekaterina**

11:40 - 12:10	Strozik-Kotlorz Dorota (Opole Univ. of Technology, Opole)	30'
	<a href="#"><i>Evolution of truncated moments of spin structure functions</i></a>	
12:10 - 12:40	Selyugin Oleg (JINR Dubna)	30'
	<a href="#"><i>Some problems of the determination of spin structure of the scattering amplitude and experiments at NICA</i></a>	
12:40 - 13:10	Troshin Sergey (IHEP Protvino)	30'
	<a href="#"><i>Nonperturbative dynamics of SSA in inclusive hadron processes</i></a>	

**Closing**

13:10 - 13:30	<a href="#"><u>Finger Miroslav</u></a> (CUNI FMP Prague/JINR Dubna)	20'
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