

# Kinda Summary...

Vladimir A. Petrov

Person on duty of the Workshop

# BIG ONES

Searches for Supersymmetry in ATLAS

Speaker: **Alberto Cervelli** (INFN, Bologna, Italy)

Searches in ATLAS

Speaker: **Oleg Zenin** (IHEP, Protvino)

Overview of ALICE results

Speaker: **Dmitri Peresunko** (NRC Kurchatov Institute)

ATLAS Top Quark Results

Speaker: **Kevin Black** (Boston University, USA)

Measurement of Cross Sections and Couplings of the Higgs Boson using the ATLAS Detector

Speaker: **Bjarne Stugu** (University of Bergen, Norway)

Inclusive hadron production in pp and AA collisions

Speaker: **Duri Kharlov** (IHEP, Protvino)

QCD and Electroweak Measurements with the ATLAS detector

Speaker: **Alexei Gzhilov** (PNPI, St.-Petersburg)

Dipole polarizabilities of  $\pi^{\pm}$  meson

Speaker: Lev Fil'kov (LPI, Moscow)

Charged pion condensation in chirally asymmetric dense quark matter: Consideration of an NJL2 model with spatially inhomogeneous condensates

Speaker: Roman Zhokhov ( IHEP, Protvino)

QCD analysis of leading-neutron production at HERA: Determination of neutron fracture functions

Speaker: Hamzeh Khanpour (University of Science and Technology of Mazandaran, Behshahr, IRAN)

Asymptotic behavior and critical coupling in the scalar Yukawa model"

Speaker: Vladimir Rochev (IHEP, Protvino)

Cosmology of bigravity

Speaker: Vladimir Soloviev (IHEP, Protvino)

Different ways to estimate graviton mass

Speaker: Zakharov Alexander (ITEP, Moscow)

Is There a Hollow Inside the Proton?

Speaker: Vladimir Petrov (IHEP, Protvino)

Round table discussion "Critical points. Can we trust the experimental data?" [1](#)

Moderator: Vladimir Petrov

Participants: V. Ezhela, B. Stugu, K. Black, A. Cerveli, O. Selyugin

**The general parton distributions (GPDs) and structure of the hadrons**

**Speaker: Oleg Selyugin (JINR, Dubna)**

**The Effects of Majorana Phases in Estimating the Masses of Neutrinos**

**Speaker: Francis Ngouniba Ki (Tezpur University, India)**

**SU(2)-Gluon Propagators and the  $A^2_{\mu}$  Asymmetry in the Postconfinement Domain**

**Speaker: Roman Rogalyov (IHEP, Protvino)**

**Lattice QCD, Heavy Ion Collisions, and QCD Phase Structure**

**Speaker: Atsushi Nakamura (FEFU, Vladivostok)**

**Lattice QCD at finite baryon density**

**Speaker: Vitaly Bornyakov (IHEP, Protvino)**

**Einstein equation for nondual field matter modifies Navier-Stokes dynamics**

**Speaker: Igor Bulzhenkov (MIPT, Moscow)**

Electron's self-energy is complex - real energy quantization leads to the Compton length  $2,4 \times 10^{-12}$  m, while imaginary energy part is quantized on the electric analog length  $1,2 \times 10^{-33}$  m

$$\begin{aligned} E &= (\sqrt{G}m + q)\varphi_0 \\ &= mc^2 + ieG^{-1/2}c^2 \\ &= (0.511 - 1.04i \times 10^{21})MeV \end{aligned}$$

**Electron Life Time in the Gravitational Field**  
 $10^{-46}$  s ?

## Observing Geometrical Torsion

Speaker: *Stefano Lucat* (Utrecht University, Netherlands)

## Quartet-metric gravity and dark components

Speaker: *Dury Pirogov* (IHEP, Protvino)

## Superluminal Tunneling of a Relativistic Half-Integer Spin Particle Through a Potential Barrier

Speaker: *Luca Danni* (Zambon S.p.a., Vicenza, Italy)

**SPASSIBA! DA ZVIDANYA!**

