

Tentative program for the Workshop

22/11/22 Gravity/Cosmology:

V.A. Rubakov, **Contemporary status of cosmology**

A.A. Starobinsky, **Contemporary status of inflation**

M.Yu. Khlopov, **BSM physics and cosmology**

(TBA), **Higgs-dilaton inflation**

K.A. Postnov, **Gravitational wave astronomy and its implications for cosmology**

V. O. Soloviev, **Results and Problems in Bigravity Theories**

23/11/22 “QCD”

N. Achasov, **Four-Quark Nature of Light Scalar Mesons**

I. Arefeva, **Holography approach to QCD**

A. Kataev, **Review on most important results in perturbative QCD (1972- 2022)**

Z. Khaidukov, **Chiral effects in QCD and other theories**

Yu. Kharlov, **Heavy-ion physics at LHC**

T. Khunjua / R. Zhokhov, **Dense quark matter: effective models approach**

24/11/22 “General QFT”

V. I. Zakharov, **Quantum-Field Theoretic Hydrodynamics**

D.I. Kazakov, **Renormalizing the Non-Renormalizable**

S. Lyakhovich, **Unfree Gauge Symmetry**

K. Turashvili, **Novel Outlook on the Eigenvalue Problem for the Orbital Angular Momentum**