Dubna, September 5-15, 2010

VIII-th Advanced Summer School on Modern Mathematical Physics

LECTURE COURSES

E.T. Akhmedov (ITEP, Moscow)
Black holes and QFT in curved space-time (5 lectures)

I.Ya. Arefeva (Steklov Institute, Moscow)
High Energy Scattering and Search for Extra Dimensions at the LHC (4 lectures)

E.A. Davydov (JINR, Dubna)
Black holes and cosmologies in modern gravity theories (2 lectures)

A.D. Dolgov (Ferrara University & ITEP, Moscow)
Baryogenesis and cosmological antimatter
(4 lectures)

V.E. Didenko (Lebedev Institute, Moscow)
On black holes in three and four dimensions (2 lectures)

S.A. Fedoruk (JINR, Dubna)
Introduction to Supersymmetric Models (5 lectures)

A.T. Filippov (JINR, Dubna)
Black holes and cosmologies in some affine modifications of gravity in the light of new observations and new theories (2 lectures)

P. Fre (Torino University)
Black holes and integrability in supergravity (5 lectures)

V.V. Nesterenko (JINR, Dubna)
Early years of string theory – practically unknown facts (2 lectures)

V.A. Rubakov (INR RAS, Moscow)
Cosmology and the LHC (3 lectures)

A.A. Starobinsky (Landau Institute, Moscow)
Cosmology of modified gravity (3 lectures)

P.V. Tretyakov (JINR, Dubna)
Metric theories of gravity (2 lectures)