New Trends In High-Energy Physics (experiment, phenomenology, theory)

Saturday 27 September 2008 - Saturday 4 October 2008

Yalta, Crimea

Scientific Programme

Elastic and diffractive scattering of hadrons and nuclei;

Forward physics at LHC;

Deeply inelastic scattering and multiparticle dynamics;

Photon- and vector meson production (at JLAB and elsewhere);

Generalized parton distributions;

Spin and polarization;

Collective properties of the strongly interacting matter;

Mixed phase at NICA (Dubna) and at FAIR;

Astroparticle physics and cosmology;

Heavy flavors and hadron spectroscopy;

Duality, strings, and confinement;

The standard model and beyond;

Advances in quantum field theory;

New physics expected at LHC;

Beam physics and detector technologies;

Applied nuclear physics;