

IV RUSSIAN-SPANISH CONGRESS: Particle, Nuclear, Astroparticle Physics and Cosmology



Monday, 4 September 2017 - Friday, 8 September 2017

Scientific Programme

The following topics will be within the scope of the Workshop:

- Strong interactions of hadrons at high energies accessible on Large Hadron Collider.**
- Relativistic Heavy Ion Physics on LHC and RHIC and predictions of new phases in hot and dense nuclear matter.**
- Low and intermediate energy hadron physics: effective Lagrangians and realizations of CP breaking.**
- AdS/CFT and AdS/QCD correspondence in Quantum Field and String Theory and Holographic models of Strong Interactions.**
- Search for Physics beyond the Standard Model at ultra-high energies both on colliders and on space located installations.**
- Modern Cosmology, Dark Energy and theoretical implications on Extra Space dimensions and deviations from Newtonian dynamics.**
- Dark Matter in the Universe and Axion manifestation.**

- Integrability in Quantum Mechanics and Quantum Field Theory.**
- Nuclear physics of neutron rich nuclei.**