The effects of electromagnetic fields in strongly interacting matter have been the subject of intense activity over the past ten years, involving researchers from different communities such as Heavy-Ion physics, Lattice QCD, Astrophysics, Ads/CFT, Magneto-Hydrodynamics, formal aspects of Quantum Field Theory, among others. Recent experimental achievements like the measurement of lambda polarization and the results from isobar collisions at RHIC, as well as the perspective of new facilities like NICA and FAIR performing heavy ion collisions in lower energies and higher chemical potential, motivate us to bring together experimentalists and theoreticians in this workshop to discuss the role of electromagnetic interactions in the following topics:

- QCD phase diagram and the critical point;
- Experimental observations of the magnetic field in HIC;
- Lattice QCD in a magnetic field;
- Particle production in a magnetic background;
- Isobar collisions and the chiral magnetic effect;
- Topological transport phenomena in the QGP;
- Electron-ion collider; Lambda polarization; Magneto-hydrodynamics; AdS/CFT approaches for QCD; Neutron stars; Color superconductivity; Relativistic-like phenomena in condensed matter; Other related topics.

There is no registration fee.