

Dear Colleague

The 7th International Workshop on Relativistic Astrophysics – IWARA 2016 will be held in Gramado (in the *Centro de Eventos FAURGS*), Rio Grande do Sul, Brazil, in the period of 9th to 13th of October, 2016.

Our understanding of the origin of the Universe, of its evolution and the physical laws that govern its behavior, --- as well as on the different states of matter that make up its evolutionary stage ---, reached in recent years levels never before imagined. This is due mainly to the new and recent discoveries in astronomy and relativistic astrophysics as well as to experiments on particle and nuclear physics that made the traditional boundaries of knowledge on physics to be overcome. As a result we have presently a new understanding about the Universe in its two extreme domains, the very large and the very small: the recognition of the deep connections that exist between quarks and the cosmos.

This is basically the main themes that have motivated the international events in Brazil known by the acronyms IWARA – International Workshop on Relativistic Astrophysics, in its seventh edition.

Based on the understanding of the intimate relationship between quarks and cosmos, the IWARA meetings have focused on the following related topics: *new phenomena and new states of matter in the Universe, general relativity, gravitation, cosmology, heavy ion collisions and the formation of the quark-gluon plasma, white dwarfs, neutron stars and pulsars, black holes, gamma-ray emission in the Universe, high energy cosmic rays, gravitational waves, dark energy and dark matter, strange matter and strange stars, antimatter in the Universe, strong magnetic fields in the Universe, strong magnetic fields in compact stars and in galaxies, ultra-strong magnetic fields in neutron star mergers, quark stars and magnetars, strong magnetic fields and the cosmic microwave background, and topics related to these.*

As in the previous editions, the IWARA 2016 will promote a scientific environment marked by a friendly atmosphere, fruitful discussions and intensive exchange of ideas.

We would be much honored to have your presence in IWARA 2016.

Best Regards

Organizing Committees of IWARA2016