

"EVOLUTION OF GALAXIES AND STARS"

The school is devoted to astrophysics - theory and observations of galaxy formation and evolution and physics of core-collapse supernovae and stellar explosions.

The program targets the advanced students, PhD students and young researchers specializing in theoretical astrophysics.

DATES: July 15 - 27, 2019

VENUE: «SIRIUS» Education Centre (Sochi, Russia)

45 minutes from Sochi International Airport

LECTURE COURSES:

- "Modern cosmology: from dark matter to galaxies", Anatoly Klypin, New Mexico State University
- "The Role of the Circumgalactic Medium in Galaxy Evolution", Christopher Churchill, New Mexico State University
- "Galaxy Formation in a Cosmological Context", Daniel Ceverino, Cosmic Dawn Center, Niels Bohr Institute (University of Copenhagen)
- "Stellar evolution and variety of stellar explosions", Takashi Moriya, National Astronomical Observatory of Japan
- "Physics of core-collapse supernovae", Andrey Yudin, Institute of theoretical and experimental physics, National Research Centre "Kurchatov Institute"
- "Nucleosynthesis in supernovae", Nozomu Tominaga, Konan University, Institute for the Physics and Mathematics of the Universe
- "Radiation from supernovae and neutron star mergers", Masaomi Tanaka, Astronomical Institute, Tohoku University

PARTICIPATION:

Application deadline - March 31, 2019. Further information and application form are available at basis-foundation.ru/summer-school

ORGANIZERS:

Prof. Dr. Konstantin Postnov (Sternberg Astronomical Institute and Faculty of Physics, Lomonosov Moscow State University), chair

Dr. Olga Silchenko (Sternberg Astronomical Institute of Lomonosov Moscow State University)

Prof. Dr. Serguey Blinnikov (Institute of theoretical and experimental physics, National Research Centre "Kurchatov Institute" and Sternberg Astronomical Institute MSU)

Oksana Boytsova ("BASIS" Foundation, director)

Alya Porembskaya ("BASIS" Foundation, coordinator)

Image credit: NASA, ESA, and HUDF Team

Foundation for the Advancement of Theoretical Physics and Mathematics "BASIS" was established in 2016 with the main goal to support theoretical physics in Russia.

All programs of "BASIS" Foundation are designed to provide a systematic and complex support of theoretical physics and mathematics in Russia, to improve competitive level of Russian scientist and lecturers as well as to strengthen the connection and interrelation between science and education in this field.

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