

FOREWORD

This issue of the “Odessa Astronomical Publications” (vol. 28, issue 2) includes articles that were presented at the 5-th Gamow Memorial International Conference dedicated to the 111-th birth anniversary of George Gamow “Astrophysics and Cosmology after Gamow: progress and perspectives” and the 15-th Odessa International Astronomical Gamow Conference-School “Astronomy and beyond: Astrophysics, Cosmology, Cosmophysics, Astroparticle Physics, Radioastronomy and Astrobiology”. The Conference and the Gamow’s School were also devoted to the 150th anniversary of Odessa National University, 50 years of discovery of CMB radiation, 110 years of special relativity and light quanta and 100 years of general relativity.

The Conference was organized by Odessa I.I.Mechnikov National University (Astronomical Observatory and Astronomy and Theoretical Physics Departments), Radio-Astronomical Institute of NASU of Ukraine, Ukrainian Astronomical Association, Euro-Asian Astronomical Society, Odessa Astronomical Society, South Scientific Centre of NAS of Ukraine.

Co-chairs of SOC: G.S.Bisnovaty-Kogan (SRI RAS, Moscow, Russia) and V.M.Shulga (IRA NASU, Kharkov, Ukraine). Vice-chairs: A.I.Zhuk (AO ONU, Odessa, Ukraine) and M.I.Ryabov (IRA NASU, Odessa, Ukraine).

The scientific program included the following section: “Cosmology, gravitation, astroparticle physics and high energy physics” (33 reports), “Astrophysics” (27 reports) (subsection “Virtual Observatory and Intensive data” – 11 reports), “Radioastronomy” (13 reports), “Sun, Solar activity and Astrobiology” (14 reports) and “Solar system” (15 reports).

About 120 scientists from Ukraine, Russia, Belarus, Italy, Poland, France, Switzerland, Egypt, Kazakhstan, Azerbaijan, Czech Republic, Georgia and USA took part in the Gamow conference. During the conference it was presented 20 plenary and 113 section reports!

Vice-chairs of SOC A.I.Zhuk and M.I.Ryabov

