



**5-th Gamow Memorial International Conference
dedicated to 111-th anniversary of George Gamow**

**ASTROPHYSICS AND COSMOLOGY AFTER GAMOW:
PROGRESS AND PERSPECTIVES**

and

**15-th Odessa International Astronomical Gamow Conference-School
ASTRONOMY AND BEYOND: ASTROPHYSICS,
COSMOLOGY, COSMOMICROPHYSICS, ASTROPARTICLE
PHYSICS, RADIOASTRONOMY AND ASTROBIOLOGY**



PROGRAM AND ABSTRACTS

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RESULTS OF DOUBLE STARS OBSERVATIONS AT RI NAO TELESCOPES

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According to modern double stars researches, the percentage of stars included into double or multiple systems is in the range from 30 to 70%. Among them stars with large proper motions are especially interesting for observing, because they have rare observation history and cross-matching with other catalogues difficulties. In 2013-2014 regular observations of double stars with large proper motions were obtained by two telescopes at RI NAO. The Washington Double Stars Catalogue (WDS) was used for the observational program making up. Precise CCD-observations obtained at modern epoch allowed us to make stars proper motion more accurate. The parameters of double star system (position angle and separation between components) were also determined. The results are going to be sent to WDS.