**Launching of the ACCULINNA-2 separator and first experiments at the facility**

First test runs with radioactive ion beams (RIBs) were recently carried outat the new fragment separator ACCULINNA-2 installed at the U-400M cyclotronin 2016. The primary beam of 15N of the energy of 50A MeV passed through the 2 mm beryllium target produced the RIBs oflight neutron-rich nuclei14B, 12Be, 9,11Li and6,8He. Intensity, purity as well as transverse dimensions of secondary beams measured in the focal plane of the separator were found to be in good accordance with project values. The new facility provides RIBs with intensity 25 times on average larger than those have been produced at the separator ACCULINNA-1 operating in FLNR since 1996.For the forthcoming 7-year period the new fragment separator is considered to be a basic facility for experimental studies of light exotic nuclei near the drip-lines. The first experimentswith RIBsat the fragment separator ACCULINNA-2, dedicated to the study of 7H, 13Li, 17Ne, 26S, will be discussed as well.