

This issue is dedicated to the 75th Jubilee of the National Science Center “Kharkov Institute of Physics and Technology” and to the 70th Anniversary of the first in the USSR experiment on atomic nucleus splitting. The history of the NSC KIPT started on 16 May 1928, when the decision was taken to set up the Ukrainian Institute of Physics and Technology. Four years later, on 10 October 1932, the scientists-enthusiasts, whose names are now carved on the monument shown in the photograph below, performed a successful experiment on lithium nucleus disintegration. This experiment appeared to be a significant milestone in the development of nuclear physics and charged particle accelerators in the USSR. Time has shown that this event went far beyond a special investigation and gave a powerful impetus to a variety of related scientific directions.

The articles by scientists from the NSC KIPT and the Russian Federal Nuclear Center submitted to the jubilee issue describe the landmarks of scientific search and the present-day fundamental and applied investigations.



IN MEMORY
OF THE OUTSTANDING EXPERIMENT
ON SPLITTING THE ATOMIC NUCLEUS
,
FULFILLED ON 10 OCTOBER 1932
BY THE SCIENTISTS OF THE
UKRAINIAN INSTITUTE OF
PHYSICS AND TECHNOLOGY
ANTON VAL'TER
GEORGY LATYSHEV
ALEXANDR LEIPUNSKY
KIRILL SINEL'NIKOV

*The monument opened on 10 October 2002 near the NSC KIPT entrance
and inscription on it*