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Ion accelerations in a liquid medium

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This work is devoted to the problem of acceleration of ions of various atoms in a liquid medium. This work is a continuation of the series of experimental studies carried out at the Institute of Applied Problems of Physics (IAPP) of the National Academy of Sciences (NAS) of the Republic of Armenia since the beginning of the 90s of the last century.

In order to conduct experimental studies, a unique experimental setup was developed and created with the appropriate nodes, ensuring high-precision performance of the entire system. In the course of experimental studies, hydrogen, oxygen, sodium, potassium and iron ions were used, the sources of which were developed and created at the IAPP NAS RA.

During experimental studies, the acceleration of ions up to several orders of magnitude was recorded, and the corresponding emission spectra were also recorded during the passage of ions in a liquid medium.

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