

## PRODUCTION OF ION BEAMS FROM DECRIS-2M AND ECR4M ECR ION SOURCES

Intense and stable beams of the metal ions are requested in a variety of applications. The article reports the results of production of ions of gaseous and solid substances from two ECR ion sources –DECRIS-2M and ECR4M.

DECRIS-2M is modernized version of CAPRICE type ECR ion source. During the tests at the test bench the intense ion beams of Ar, Kr, Xe, Bi, Pb and Al were produced. The results demonstrate substantial increase of the ion beams intensity in comparison with the original source, especially in the case of high charge states. The article also presents the results of production of Zr ion beam at the U-400 cyclotron from the ECR-4M ion source. The produced ion beams were successfully accelerated and delivered for physical experiment.

### Section

Nuclear physics (Section 1)

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**Track Classification:** The V International Scientific Forum “Nuclear Science and Technologies”: Nuclear physics (Section 1)