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Intense pulsed uranium ion beams production with ECRISs

Monday, September 16, 2024 5:00 PM (1h 30m)

Intense pulsed uranium ion beam production is essential for heavy ion accelerators (especially for synchrotrons) in operation and those under construction. Although metallic beam production is tricky, based on our earlier study, intense uranium beams can be expected when operating a electron cyclotron resonance (ECR) ion source especially in afterglow mode. In this study, we aim to produce intense uranium beams with LECR4 and SECRAL-II (Superconducting ECR ion source with Advanced design in Lanzhou No. II) ion sources in afterglow modes. The experimental results will be reported in this presentation.

Footnotes

Funding Agency

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