



Contribution ID: 121

Type: **Invited Oral Presentation**

Record beam intensity productions of Highly charged heavy ions by 28-45 GHz superconducting ECR ion sources at IMP

Tuesday 3 June 2025 11:00 (30 minutes)

This talk will review high intensity beam production by highly-charged ECR ion sources operating at microwave frequency 24-28 GHz and the related new technology development. To further improve beam intensity for higher charge state heavy ion beams, the world First fourth generation ECR ion source (named as FEER) with microwave frequency 45 GHz is being developed at IMP. After 8 years development, it is expected to start beam commissioning by May 2024. This talk will present the first beam commissioning results of FEER.

Footnotes

Funding Agency

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Session Classification: TUYD:Novel Particle Sources and Acceleration Techniques (Invited)