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# A conceptual design of FFA ring for super heavy element production adopting the ERIT mechanism.

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Production of super heavy elements of which atomic number is larger than 118 can provide new prospects in the field of nuclear physics. Extremely low production rate of these elements makes the experiments time consuming. This difficulty can be solved by using the energy recovery internal target, so-called ERIT, because the number of interactions can be increased as a circulating beam hits the target located in the ERIT ring. Here, we present a conceptual design of the FFA ring for super heavy element production adopting the ERIT mechanism.

## Funding Agency

## Footnotes

## I have read and accept the Privacy Policy Statement

Yes

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