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Progress in Accelerator Research and Education at Korea University, Sejong

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Department of Accelerator Science at Korea University, Sejong was established in 2014 to promote accelerator science research and train accelerator scientists and engineers for the growth of domestic accelerator projects in Korea. In addition, Accelerator Research Center and Small Accelerator Application Core Facility Research Center under the department hood were also organized to foster in-depth research on accelerators. Since 2017, several small accelerators have been introduced on our campus. These accelerators include a 14GHz ECR Ion Source for heavy ion accelerator research, a 7 MeV microtron with an undulator for terahertz radiation application research, a 150 keV proton accelerator for ion implantation applications, a 50 MeV microtron for a variety of low energy electron applications, and 60 MeV electron linac with an RF photoinjector gun for electron injector linac research. This work presents the results of recent progress in construction and commissioning of these accelerators, as well as educational programs for graduate students in our own department and users in various fields.

Funding Agency

Footnotes

I have read and accept the Privacy Policy Statement

Yes

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