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Electron beam irradiation and dosimetry system at KAERI

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KAERI (Korea Atomic Energy Research Institute) has been operating an electron irradiation facility for electron beam application research since 2018. This facility is used for a variety of purposes, from material improvement to the development of Large composite-based products such as wind turbine blades, using electron beams. In order to support this multipurpose electron beam utilization, in addition to the electron accelerator, we have also built and operated a dose measurement system, electron beam experiment device, and automation equipment. This paper describes the operation status and results of electron beam irradiation facility, including electron beam irradiation system and dose measurement systems.

Footnotes

Paper preparation format

Region represented

Asia

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