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Development of high power irradiation accelerators in China

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Irradiation accelerator use high power electron beam in the application of processing of food, medical product, quarantine treatments. Different types of RF linacs are developed in China at the electron beam energy of 10MeV and the beam power of 24kW. This presentation will focus on the basic theory of electron linacs and the improved design to obtain a high-power beam. The experiment results are discussed as well.

Speaker's Name

Jiaru Shi

Speaker's Title

Dr.

Speaker's Gender

Man

Speaker's Pronouns

He/Him

Speaker's Preferred name (if any)

Primary author(s) : SHI, Jiaru (Tsinghua University)

Presenter(s) : SHI, Jiaru (Tsinghua University)

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