

Nuclear Science and Transmutation Research Division
High-Intensity Accelerator R&D Group
High-Gradient Cavity R&D Team

1. Abstract

Superconducting linacs are suitable for high-power beam facilities, such as spallation neutron sources. The mission of this team is to develop a highly efficient superconducting linac with a high acceleration voltage, capable of handling high beam intensity and ensuring high availability, drawing from the operational experiences of SRILAC.

2. Major Research Subjects

- (1) Development of high-gradient cavities for low beta ions
- (2) Development of power saving cryomodules
- (3) Operation with high availability

3. Summary of Research Activity

Development of highly efficient superconducting accelerator modules

Members**Team Leader**

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