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高効率クライストロン(1) [Introduction to High-Efficiency Klystrons(1)]

Tuesday, 10 September 2024 16:30 (1 hour)

Klystrons, vacuum electronic devices, are widely used in particle accelerators as RF source equipment. High-efficiency klystrons are critically needed for large accelerators, such as the ILC and SuperKEKB. This lecture introduces the basics of klystrons, followed by a discussion on the motivation, background, and impact of enhancing klystron efficiency. Various methods for improving klystron efficiency are reviewed, and the global research landscape in this field is also presented.

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