

ADVANCES IN SRF FOR LOW BETA ION LINACS

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Abstract

Projects based on ion linacs have multiplied during the last decade to follow the increasing demand of ion beams, either stable or radioactive, for application in nuclear physics or material studies. Thanks to the continuous progress in SRF (Superconducting Radio Frequency) technology, all these linacs are based on low beta superconducting cavities of different type (half-wave, quarter-wave, bulk Nb or Nb/cu) and make this particular field very active in many laboratories worldwide. In this paper, we review the most recent developments in SRF performed in the framework of FRIB, SPIRAL-2, ATLAS, SARAF, IFMIF, TRIUMF and ISOLDE.

**CONTRIBUTION NOT
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