

HEAVY ION SUPERCONDUCTING LINACS: STATUS AND UPGRADE PROJECTS

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Abstract

We observe that there is an increase in the demand, by the scientific community, for accelerated CW ion beams which can be efficiently provided by SC ion linacs. This demand can be categorized into two areas: existing and new facilities. Existing facilities are being refurbished and upgraded for higher energies and beam intensities. Several new projects are under development or construction worldwide. Recently, development of new SC ion linacs has started in China, Korea and Spain. In this talk I will briefly review both the upgrade and new SC ion linac projects with a primary focus on the advances in heavy-ion linac technologies achieved at ANL in connection with the efficiency and intensity upgrade of ATLAS.

**CONTRIBUTION NOT
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