

RECENTS DEVELOPMENTS IN SRF AT TRIUMF

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Abstract

The TRIUMF SRF program follows three basic paths: the support of the existing installed superconducting heavy ion linac with forty quarter wave cavities, the development of infrastructure and cavities for the new e-Linac project at 1.3GHz and fundamental studies to support student projects. Work on the quarter waves primarily involves determining optimum processing steps to improve cavity performance. The e-Linac cavity is a variant of the Tesla nine cell cavity modified to allow the acceleration of 10mA in cw mode. Fundamental studies on RRR niobium have been done at the Muon Spin Resonance facility at TRIUMF to characterize the flux of first entry for different processing of the niobium. The program will be summarized.

**CONTRIBUTION NOT
RECEIVED**