

A Transport Line to the TRIUMF ISAC Facility,
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Beam to the new ISAC Facility at TRIUMF will be
extracted from extraction port 2A of the cyclotron.
Whereas other beam lines at TRIUMF require
achromaticity at target locations for both beam size and
experimental requirements, it has been decided that this
extraction line need not be achromatic provided that a
beam diameter ≤ 5 mm is attainable at the target
locations. This paper presents a proposed beam line
configuration that meets these requirements. Beam
spill calculations with the program REVMOC show
that, at most, a loss of 0.05% could be expected. All of
the loss occurs within the cyclotron vault. In addition,
a second design is presented that allows the extraction
line to be run in an achromatic mode should such prove
necessary. This achromatic beam line requires only the
addition of three quadrupoles in the cyclotron vault.