

A New High Duty Factor RFQ Injector for ISIS*,
U. BESSLER, A. SCHEMPP, H. VORMANN, Inst. f.
Angewandte Physik, Univ. Frankfurt; A. LETCHFORD
C.W. PLANNER, RAL - The ISIS at RAL is going to be
upgraded by a new injector. This injector will supply H⁻
with beam currents up to 50 mA. It consists of a new ion
source and an four-rod RFQ accelerator, designed for a
duty factor as high as 10%. In this paper the RFQ
accelerator and the status of the project is being described.

* Work supported by the BMBF.