

RHIC TRANSVERSE DAMPER

A. Drees, M. Brennan, P. Cameron, C. Montag, R. Michnoff, G.A. Smith, M. Willinski
Brookhaven National Laboratory, Upton, New York 11973

Abstract

During the RHIC Au-Au runs in 2000 and 2001 as well as in the polarized proton run in 2001 no transverse damping system existed. To overcome residual injection jitter and to maintain transverse beam emittances a transverse injection damping system is foreseen for the 2002/2003 run. This report describes the realization of the injection damping system and outlines the future upgrade into a bunch-to-bunch transverse instability damping system, which is expected to be required for increasing bunch intensities.