

Report on the measurement of the SIS-18 acceptance on August 5th

Participants: Stefan Sorge and Giuliano Franchetti

The experiment was done from 6 to 12 o'clock in the evening. Aim of the experiment was to measure of the acceptance ϵ_{lim} of SIS-18 via beam excitation using the BTF exciter. In completion to the experiment on April 23rd when a beam excitation was possible only in vertical direction, we measured the horizontal acceptance, now. Besides the horizontal BTF exciter we applied the RGM to monitor the beam current as a function of time. Both devices worked well during our experiment time.

A first evaluation of the experimental data led to values for the horizontal acceptance between 140 mm mrad and 150 mm mrad.