

A Light-Source Operation at the TRISTAN MR,
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After closing the high energy experiment in June 1995 the TRISTAN MR was operated as a light-source from September to December 1995. To achieve the low emittance of 5 nm at 10 GeV the betatron phase of a normal cell was increased from 60° to 90° and the existing wigglers were used as emittance damping wigglers. To keep the dynamic aperture large so called non-interleaved sextupole scheme was adopted in the chromaticity correction. An X ray undulator of 5.4 m long was installed in the ring for the sake of SR research. All super conducting cavities and 60% of APS cavities were removed from the ring in order to reduce the effect of the coupled bunch instability. Here we describe the commissioning and the result of a beam-study during this period. The paper covers a comparison between the measurement of the dynamic aperture and a simulation, the emittance measurement, the orbit stability and the performance of an orbit feedback system, the impedance measurement, the effect of the error field in the undulator on the angular divergence of the light beam and so on.